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VOLUME XII,

NEW YORK, MAY 16, 1923

No. 20

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by George Simon

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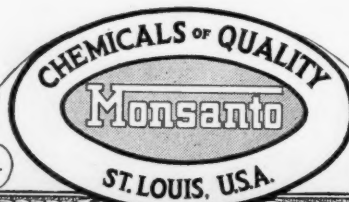
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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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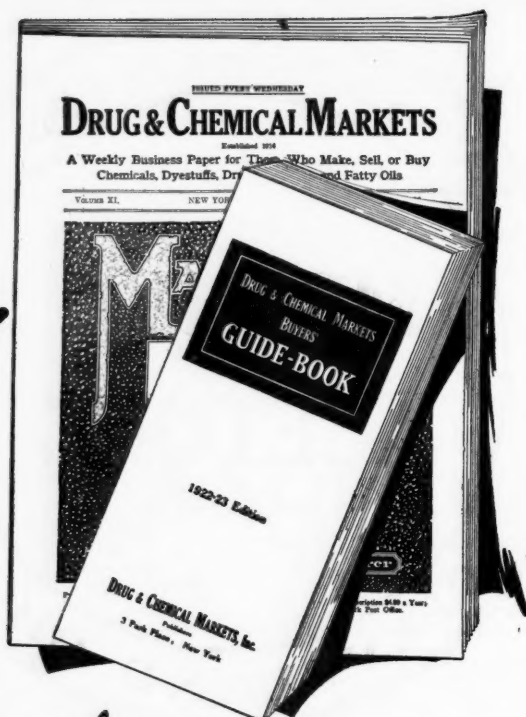
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 20

[MAY 16, 1923]

FIGURES THAT LIE

Statistics on sulfuric acid—because of the amount of by-product acid produced and of the large self-consumption of the fertilizer plants—are notoriously incomplete.

Last year's exports of caustic soda, as recently published, are estimated by an active member of the Alkali Export Association to be not less than forty per cent off the actual figure.

If glaring discrepancies are plain in the case of the two most important industrial chemicals, is it remarkable that a single maker of sodium benzoate confesses that three years ago their plant alone produced three-quarters of the total given for the country's entire production of that year?

Such statistics have at once a ridiculous and a very serious aspect. It is small wonder that, although acids and alkalis are at least as important as fuel and metal in the industrial life of the country, chemical statistics are not very seriously considered as indicators of business conditions. For an index number on chemicals, weighted by production and export, consumption and import figures that are anywhere from ten to fifty per cent off are like sending a blind idiot out to survey a line for a railway. It is our well founded suspicion of chemical statistics that prompts DRUG AND CHEMICAL MARKETS to use a simple average price in describing graphically the trend of the market. A simple average has definite limitations as a market guide, but it is at least not positively misleading and experience shows that it actually does reflect chemical market movements most accurately.

That the chemical industry could use with profit a reliable statistical picture of its own activity is more true today than ever before. Since the war, in our industry particularly, we are living under a new set of conditions and are creating our own new business precedents. It is hard and dangerous work. Any reliable chart of the new business sea will be of inestimable value, especially so since our compass and sextant do not register as they did before August, 1914. Under these circumstances no map is better than one that does not show shoal water and open seaway with deadly accuracy.

That is undoubtedly why so many executives in the industry place so little reliance in statistics. Even the most skeptical knows, however, that accurate figures are the most reliable assistant in arriving promptly at correct decisions.

All the blame is not to be laid at the doorstep of the collectors of statistics. The Department of Commerce, under Mr. Hoover certainly, stands ready to help in this work. Never before were there so many

or so well equipped private agencies trying to render this same service. The chemical industry needs only to give reliable information and it will receive in return reliable statistics. It is a more than fair bargain, from the industry's point of view.

PHENOL—SYNTHETIC OR NATURAL

Why build new plants and recondition war-time plants to manufacture synthetic phenol if there is sufficient natural phenol in the heavy production of various coal-tars in the United States?

Our greatly increased production of by-product coke, and consequently of coke-oven tar, has been pointed to as the reason why enough natural phenol could be produced. Most of this tar, however, is low acid material (0.4-2.5 per cent tar acids), more economically suited for the purpose for which it is used than for phenol manufacture. Most of the tar used today for producing natural phenol is gas-works tar of high acid content (7-8 per cent). Undoubtedly, more of both kinds could be worked if lack of plant facilities, transportation difficulties, and lack of concentrated production in any one place, did not stand in the way. Today, a comparative shortage of tar exists. Demands for burning, road-tar, roofing materials, and allied products have been extremely heavy. Large quantities will likely continue to be consumed as fuel, for to induce the steel mills to change their fuel equipment so that the few million pounds of phenol might be extracted from the tar so used, would be foolhardy were it possible. Not only are natural phenol supplies determined by the amount of tar distilled, but also the quantity distilled is determined by the amount of sufficiently high-acid tar economically available.

Obviously, synthetic phenol must be produced if America is to supply her own requirements, because the maximum potential production of natural phenol under normal conditions cannot take care of the nation's needs. About 10,000,000 pounds of phenol are consumed in the United States annually under present conditions, and this demand will increase rather than decrease as time goes on. The potential maximum for natural phenol production here,—if common sense and business expediency are made the basis for the estimate,—is about 5,000,000 pounds per year. Even this figure could not be reached for some time and might probably be interfered with by other economical considerations so far as the uses of coal-tar are concerned. Theoretically, the quantity available is well in excess of the ten million needed, but to produce it efficiently at a normal market price would be impossible. More-

over, natural phenol production as the sole source of supply, is uncertain at best and subject to numerous influences foreign to the actual manufacture of the product. Synthetic phenol production is certain as long as there is benzene to sulfonate.

Statements that the present phenol price buoyancy had its origin in the passage of the Fordney-McCumber Tariff Act in September, 1922, are wrong. The movement started in July, 1922, when one of the big synthetic resin manufacturers bought about 3,500,000 pounds of Government surplus phenol at twelve cents, this lot representing the last of the Government's thirty or thirty-five million pounds of war-time excess. From that point on, buyers had to depend on odd lots scattered over the country and prices rose rapidly. Under the Emergency Tariff Act, permits were issued for the import of phenol owing to the acute scarcity here, and about Sept. 14, 1922, the first lot arrived from England, a shipment of 667 drums. The Fordney-McCumber Tariff Act did not become law until Sept. 22, two months after the scarcity had become established, and until the price had gone to 25c, a hundred per cent increase. By no means, did the new tariff cause the scarcity or high price. On the other hand, it will be the direct cause of relieving the shortage by encouraging a resumption of synthetic phenol operations in America. To provide for American production of synthetic phenol as a means of national defense, and to arrange for relief from an ultimate domestic shortage of the natural product, was the very thing in mind when the tariff was formulated.

Encouragement of synthetic phenol manufacture, however, does not mean that a number of factors should rush into heavy production at once. The usual warnings against over production and its inevitable consequences, still hold good. Synthetic phenol,—absolutely needed to take care of the demand, but not in such quantities as will ruin all business being done in this product!

HIGH PRICES HERE TO STAY

Nearly thirty million people out of the forty-one million engaged in gainful occupations in the United States are employed in transporting and distributing the products needed by the consuming public. The result is that on the average of every dollar spent by the consumer, 49 cents represents the cost of selling and distributing. The primary producer gets 20 cents, the manufacturer 17 cents, and the retailer 14 cents, according to a report by the Joint Congressional Commission of Agricultural Inquiry, which spent a year in investigating conditions, and obtained the services of nearly 3,000 experts in industry, banking, transportation and agriculture.

The results show that the manufacturer does business on a small margin of profit. In fact they show that no excessive profits are made by any class of producers or distributors, and that prices, which may seem high, are divided among a great many, including the producer of the raw material, the manufacturer of the product, the wholesaler, and the retailer, and must also be apportioned to

cover the container, the wages of the lumberjack who felled the tree or the steel worker who produced the drum, every box, barrel or carton representing labor cost.

Unfortunately there is no way materially to reduce the final cost except by cutting down every item that enters into its production, manufacture and distribution, a herculean task, which even a Congressional Commission shrinks from undertaking. The public demands products from the four ends of the earth, and they must be packed in suitable containers to reach their destination in good condition. Apparently there is no escape from high prices so long as our standard of living continues high.

The appointment of Dr. F. E. Breithut to the post of special trade commissioner to Berlin for the purpose of posting American industries, through the Department of Commerce, upon developments in the German chemical industry, will be of immeasurable value to United States business interests. The choice of Dr. Breithut reflects credit upon the State Department and the Department of Commerce because a man has been selected who is admirably fitted by training and experience in the chemical industry to furnish information of most importance and statistics which can be used to advantage by manufacturers.

The feeling in the business world on the matter of taxes was reflected in the resolutions adopted by the U. S. Chamber of Commerce at its New York convention, when an urgent demand was made upon the Sixty-eighth Congress to allow the free flow of capital into productive enterprises by reducing the surtaxes, repealing war taxes on telephone, telegraph, cable and radio messages, and on the privilege of conducting certain kinds of business. With a surplus in the Treasury instead of the predicted deficit, the Government can afford to give business a chance to recover from the tax burdens of the last five years.

Many Men: Many Minds

I am not one of those who believe that hard times have any special advantage in disciplining our souls. We ought to be able to discipline ourselves in prosperity when we have time to do it and having achieved prosperity, we ought to be able to hold on to it.—Herbert Hoover.

I regard the 30,000,000,000 gold marks offer by Germany as being only premature. It must be materially improved. Germany should settle on a figure even beyond her ability to pay and then prepare herself to settle at that figure.—Frederick C. Goodenough, chairman of Barclay's Bank, Ltd., of London.

Efforts to achieve output are stimulated by demand for goods, but the supply is somewhat restricted, at least for early delivery. Demand and restriction are causing higher prices. Under the circumstances, there would seem to be a fair expectation of a large volume of business done under some difficulties and at higher costs than most of us would like.—A. H. Smith, president, New York Central.

Salicylate Production and Prices

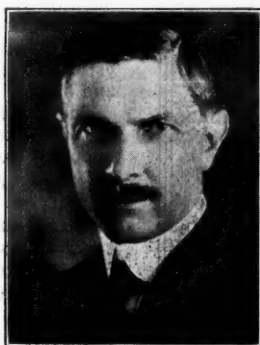
A Half Century of Developments in Salicylic Acid Forerunning a Ten Million Pound Output in America

HUNDREDS of years ago when the Indians lived where now our cultivated fields and cities with their smoking chimneys indicate a state which we call civilization, there existed for the primitive but vigorous tribes a time which we fancy as "The Age of Gold." But pleasure and pain were then, as they are now, the ordinary accompaniments of life. The cold, damp days of winter brought colds and rheumatism; and the medicine man, primitive and crude as he was in his art, found the remedies for cure or alleviation of these sufferings. The Mohicans made concoctions from a beautiful little plant which grows in the woods of the Adirondacks and is called the gaultheria; the Mohawks and Seminoles, living farther south, chewed the bark of a tree called the black birch or the sweet birch and they found that these simple presents of nature cured their pains.

What medicine were they taking? Exactly what we take now for the cure of similar diseases. The leaves of the Gaultheria plant (*procumbens* Linne) and the bark of the black birch contained in considerable quantities the methyl ester of salicylic acid and so they were using this most important of all rheumatic remedies long before science had discovered it.

Salicylic acid derives its name from the willow tree, called in Latin *Salix*. It was first produced in the year 1838 by Piria who oxidized the salicin obtained from the bark of certain willow trees and so discovered an acid crystallizing in small colorless needles which was destined to become one of the most important organic acids with antiseptic, antizymotic and antipyretic properties hardly equalled by any other chemical or drug

Georg Simon
of the Norvell Chemical Wks.



As the first man to manufacture salicylates in America, synthetically and on a commercial scale, in the Garfield, N. J., plant of the Heyden Chemical Co., George Simon is known as the "daddy" of salicylic acid in this country.

To-day, there are five salicylic manufacturers in the U. S.: Dow, Monsanto, Semet-Solvay, Heyden, and Merck. Of these companies, four produce their own salicylic acid—the base for ten million pounds of salicylates per year.

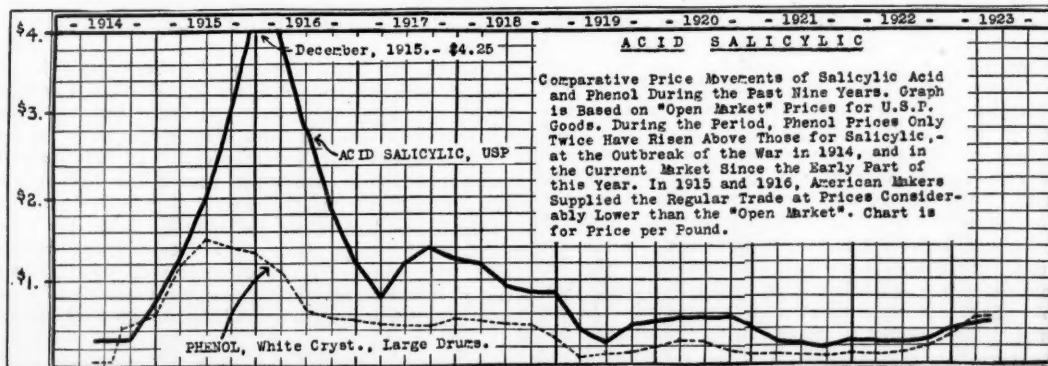
known at the present time. Salicylic acid, however, remained practically unknown outside of the chemical profession until K. Kolbe, a professor of chemistry in Leipzig, discovered in the year 1872, a cheap process of making it from

phenol. According to his process sodium phenolate is heated with carbon dioxide in an iron retort at a temperature of 180-220° C., when half of the phenol distills over and a basic sodium salicylate is left. This is dissolved in water and the free acid precipitated by hydrochloric acid. Later on R. Schmitt improved on this process by saturating sodium phenolate at 130° C. with carbon dioxide in an autoclave, thus forming sodium phenyl carbonate; by continuing the heating under pressure, this changes into monosodium salicylate which is treated as above.

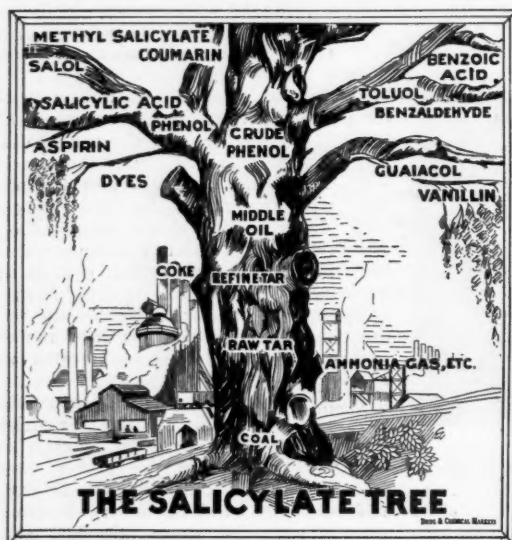
While Kolbe experimented with salicylic acid, one of his students, Friedrich von Heyden took particular interest in this work and when the process was completed in the laboratory, von Heyden undertook to carry it out in practical manufacture. He started the first salicylic acid factory in Radebeul near Dresden in 1874. Like all new beginnings it was hard and sometimes disappointing work, but von Heyden carried it through to final success.

As soon as salicylic acid became available in sufficient quantities and at a comparatively low price, the medical profession started to use it as an internal, as well as external antiseptic. The number of antiseptics at that time was smaller than it is today and salicylic acid proved to be as efficient as carbolic acid or cresol but free from the toxic effects of these products.

A number of derivatives of salicylic



acid were developed. The first one was sodium salicylate which found great favor with the medical profession as a remedy for rheumatism, but was later to some extent displaced by acetyl salicylic acid, better known under the name of aspirin, which is today the most largely used antipyretic in this country. Another well known derivative is salol, the phenol ester of salicylic acid and last, but not least, let me mention methyl salicylate, the methyl ester of salicylic acid. This is the same substance which occurs naturally in the bark of the black birch and in the leaves of the gaultheria or wintergreen plant, and is therefore called synthetic oil wintergreen. It seems strange that the delicious flavor



extracted from the gaultheria plant can be produced from salicylic acid, a coal tar product, but this is not more surprising than the fact that the flavor of the vanilla bean is artificially made from guaiacol or that of the fresh mown hay, the coumarin, from salicyl aldehyde. What nature produces in its vast laboratories can also be produced in the autoclaves and stills of the modern factory, to such extent the progress of chemistry has developed the power of man over the forces of nature.

We have so far considered the importance of salicylic acid and its derivatives as medicinal products and flavoring agents, but this by no means exhausts their field of usefulness. In many countries salicylic acid is the most important preservative of food. The housewives who put up their preserves use it to prevent fermentation and decomposition, but the large food industries in the United States have discontinued the use of salicylic acid for this purpose since Pure Food & Drugs Acts have been passed by national and state legislatures. It will be recalled that Theodore Roosevelt, while he was President of the United States, instructed the Department of Agriculture to investigate various food preservatives and establish whether or not they were injurious to health. Salicylic acid was one of them. Dr. Wiley, the Chief of the Bureau of Chemistry in the Department of Agriculture, undertook the experiments with his "Poison Squad," consisting of a score of young men who for some time were fed salicylic acid with each meal they took. They did not get sick as was expected. On the contrary they seemed to thrive and the report said that they even got rosy cheeks. But for some reason or

other salicylic acid was ruled out from the list of harmless preservatives and benzoate of soda was chosen as the one food preservative permitted by the Federal law.

Then the willow acid for a little while appeared to be a weeping willow acid and its producers set out to find new uses for it. The manufacture of coal tar colors was then in its infancy in the United States and as it developed a large field opened up for further use of salicylic acid. Since the year 1886, at least 40 distinct colors have been discovered in which salicylic acid or its derivative amido salicylic acid occur as component parts. The dyes made from it cover all the colors of the rainbow. When the army of the United States went across the ocean to fight on the battlefields of France, the soldiers wore uniforms dyed with yellow and brown made from salicylic acid. The well known color diamond black is a combination of amidosalicylic acid with naphthylamin and naphthol sulfonic acid; chrysamine is a combination of benzidin and salicylic acid, alizarin yellow is nitranilin and salicylic acid; so salicylic acid is used in a great variety of combinations to make colors for wool, cotton and silk.

The history of salicylic acid shows that up to the year 1901 most of the product used in the United States was imported from Germany. There existed before that time a few salicylic acid factories in this country, but their capacity was small and their product not always satisfactory. Since 1901, however, this country was able to cover its own requirements in excellent quality largely from a factory erected in Garfield, N. J., which up to and during the war was able to produce all the salicylic acid needed in the United States except during the first two years of the war when it was handicapped by lack of carbolic acid. The scarcity of this raw material at one period became so acute that it was necessary for the salicylic acid manufacturers to collect through agents and brokers carbolic acid from wholesale and retail druggists all over the country. It was supplied in tens of thousands of one pound bottles, so that at least the most urgent requirements of the hospitals and the medical profession for salicylates could be covered. At the present time, at least five large salicylic acid factories exist in the United States with a combined capacity of probably not less than ten million pounds.

Price Movements in Salicylic Acid

During the half century which has elapsed since the first synthetic salicylic acid was made, the price of this product has of course undergone considerable changes. When Dr. von Heyden turned out his first product it probably cost him more than \$2.00 per pound to make it and his selling price was in proportion. As he went on developing his process and as the consumption increased, the cost, as well as the selling price declined. Other chemical houses took up the manufacture and new salicylic acid factories started in Germany, France and England.

Among the first importers of salicylic acid in this country were Schering & Glatz and Merck & Company. Their price was, of course, governed by the selling prices of the European manufacturers who were then combined in a so-called syndicate. In 1894, salicylic acid was sold at about \$1.00 per lb. In 1895 it went down to 50c and during the following five years it was gradually reduced to 40c per pound. When the establishment of a large salicylic acid factory in this country made the United States independent of foreign importation, the price of salicylic acid went down to 34c per pound and was gradually reduced to 24c. During all

(Continued on page 1241)

Trade Notes and Personals

C. A. Mace, Butterworth-Judson Corp., dyestuff sales department, has resigned to accept position with Tower Manufacturing Co., New York.

A son of Dr. Ellwood Hendrick, past president of the Chemists' Club, was voted to be the handsomest man in the Senior class at Yale University.

Ralph Black, formerly in the heavy chemicals and acid sales division of E. I. duPont de Nemours & Co., New York, has joined sales department of Kalbfleisch Corp., New York.

Secretary Mellon of the Treasury Department says he believes that the danger of inflation has been passed and that sound prosperity is to continue unless unexpected excesses are engaged in by business.

Pierre S. du Pont has resigned as president and chairman of Executive Committee of General Motors Corp., but remains as chairman of the Board. E. I. du Pont de Nemours & Co. are the largest holders of General Motors common stock.

Ault & Wiborg Co., of California has been incorporated at San Francisco with capital stock of \$25,000 to carry on business in printing inks and supplies, the subscribers being Harry T. Behrens, Joseph A. Ammann, Edwin T. Cooper, H. K. Ells, Charles T. White, Herman J. Widman, and William Sleight.

Thomas W. Delahanty, of New York, has been appointed to the staff of the Chemical Division of the Department of Commerce. It is stated that Mr. Delahanty has had considerable experience in manufacture and foreign trade in drugs, chemicals and dyes through his former connection with Dicks David Co. and Chemical Co. of America.

At the annual dinner and meeting of the Montreal branch of the Society of Chemical Industry recently, Prof. Lacointe spoke on "Safety First." The following officers were elected: President, Frank W. Horner; secretary-treasurer, Charles Bardorf; executive committee, J. R. Bell, Dr. A. R. M. McLean, Prof. Lacointe, W. B. Woodland, Norman Holland, M. C. McFee and J. R. Macauley.

FREEPORT TEXAS OFFICERS ATTACKED

John Skelton Williams Accuses President Swenson of Mismanagement—Seeks Reorganization of Company

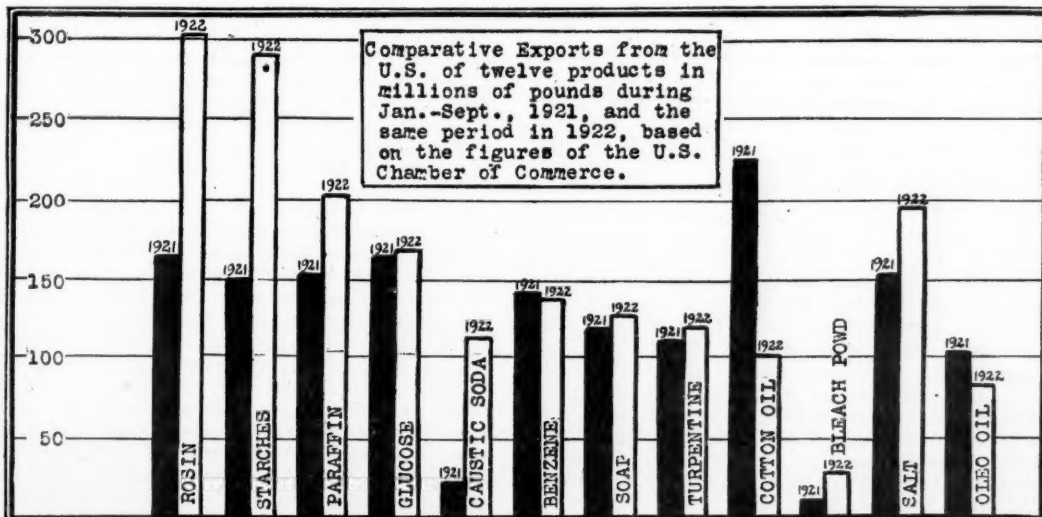
In a circular to stockholders in Freeport Texas Co., urging the removal of company officials, John Skelton Williams, who was controller of currency under President Wilson, and is now chairman of Richmond Trust Co., Richmond, Va., charges E. P. Swenson, president, with mismanagement. He further draws attention to the fact that while other sulfur companies are making big profits Freeport, Texas, is piling up deficits, and while other sulfur stocks are going up Freeport, Texas, is going down. He declares that the president and his brother draw salaries of \$75,000 a year while stockholders are getting no dividends and that when a stockholder made inquiry as to the salary of the president and the general counsel the latter replied angrily: "None of your business." He says that the total stock held by the members of the board of directors, with one exception, aggregates only 25,581 shares, or less than 4 per cent of the outstanding shares.

Mr. Williams calls for a reorganization of the company, and is planning the formation of a protective committee.

President Swenson's secretary told a representative of DRUG & CHEMICAL MARKETS that Mr. Swenson had no statement to make concerning the charges in Mr. Williams' circular. Mr. Swenson refused to see the reporter. An officer of the company, who would not allow his name to be published, said the company officers were not interested in what the newspapers said, and that what John Skelton Williams said interested them still less. He added that it would be more becoming if Mr. Williams would support the company instead of abusing it.

American Agricultural Chemical Co. has filed a suit in equity at Boston against Hugh J. Robertson of Newton and Edward T. Murphy, of Medford, for an accounting of assets and profits of subsidiary companies alleged to have been diverted. Prior to March 27 Mr. Robertson was president of Eastern Oil & Refining Co. and Mr. Murphy was president and treasurer of Brown Co., Inc.

The tax on copra exported from the Fiji Islands has been reduced to 5s. per ton for the year 1923.



LOWER GERMAN POTASH PRICES ISSUED

New prices for German potash salts covering shipments from May to September have been announced by Potash Importing Corp., which on May 1 took over the distribution of potash salts of the German Potash Syndicate in the United States, Canada, Cuba and Porto Rico. Reductions of \$1 a ton are made on muriate of potash, \$2 a ton on sulfate of potash, and \$2.25 a ton on manure salt, 30 per cent K_2O . Double manure salt is advanced \$1 a ton. Other quotations are unchanged. The old prices have been in effect since May 1, 1922. The list follows:

	New price	Old Price
Muriate of Potash 80-85%, basis 90%	\$34.55 in 200 lb. bags	\$35.55
Sulfate of Potash, 90-95%, basis 90%	43.67 in 200 lb. bags	45.67
Double Manure Salt 48-53%, basis 48%	25.72 in 200 lb. bags	24.72
Manure Salt min. 30% K_2O basis 30%	16.03 in Bulk	18.28
Manure Salt min. 20% K_2O	10.55 in Bulk	10.55
Kainit 12.4% K_2O	7.22 in Bulk	7.22

Prices are per ton of 2,000 lbs. net weight, c.i.f. Boston, New York, Philadelphia, Baltimore, Norfolk, Wilmington, N. C., Charleston, Savannah, Brunswick, Fernandina, Jacksonville, Tampa, Mobile, Pensacola, New Orleans and Galveston. Discounts range from 1 per cent for 1,000 tons to 10 per cent for 20,000 tons actual potash. Supplies have not been affected to any extent by the Ruhr occupation, since the mines are located outside of that district and the shortage of coal has not affected operations.

St. Louis Coke & Chemical Co. has reorganized and incorporated as St. Louis Coke & Iron Co. The plan provides for scaling down the interest rate on the old \$6,488,000 8 per cent 20-year bonds to a like amount of 6 per cent bonds, bringing bond interest charges down from \$519,040 annually to \$389,280. Holders of the \$2,076,600 8 per cent debentures due in 1917 exchanged them for preferred stock par for par, accepting also stock for accrued interest and receiving $1\frac{1}{2}$ shares of new common as compensation for reduction of interest rate. Preferred stockholders accept share for share the new common stock, while holders of the common receive 1-20th of a share of new common for each share held.

The Treasury Department has ruled that distribution by a corporation out of profits accumulated prior to March 1, 1913, is exempt from the Federal income tax. The ruling reverses the previous practice of the Revenue Bureau, which has been to tax such distributions as dividends. The ruling applies to distributions to stockholders by holding corporations of profits accumulated by smaller corporations.

Bartlett Arkell, president, Beechnut Packing Co., says sales for first quarter were 31 per cent over sales in 1922. These amounted to \$2,835,860, which would figure this year about \$3,715,000. For quarter ended March 31, 1923, the company reports net earnings \$595,737, after charges but before taxes. This compares with net earnings of \$392,291 for the corresponding period of 1922.

Texas Gulf Sulphur Co. has increased cash holdings by more than 50 per cent to \$3,250,000, compared with \$2,082,031 at the end of last year. For past ten months net earnings, including depletion, have averaged between \$350,000 and \$375,000 a month, equalling 55 to 60 cents a share on the 635,000 shares of stock which is company's only capital liability.

Schedules in bankruptcy filed by Sardou, Inc., toilet preparations, 569 Hudson st., New York, show: Liabilities, \$20,205; assets, \$28,476, main assets being copyrights and trade-marks, \$17,000; stock, \$5,000; fixtures, \$5,000. Principal creditors are George Sardou, \$5,000; Pomeroy Advertising, \$5,186; Louis A. Raymond, \$2,935; Edward Pizzollo, \$2,935.

Business Brevities

Bertolaice & Goedert have moved to 59 Pearl st. New telephone number is Whitehall 3870.

Explosion of an ammonia tank in the plant of National Ice and Cold Storage Co., Stockton, Cal., recently caused a fire which resulted in a loss of \$100,000.

First carload shipment of calcium arsenate has been made by Salt Lake Insecticide Co. Plant at Salt Lake City is treating ore from Western Utah Copper Co.'s property.

C. A. Gillingham, first assistant to the general works manager of the National Carbon Company, was a recent visitor at San Francisco from the headquarters of the firm at Cleveland, O.

Importers of calcium arsenate must continue to pay duty, the Treasury Department having refused to place it on the Free List. It is classified in the new tariff as a chemical salt, not otherwise provided for, and is dutiable at 25 per cent ad valorem.

Norman Watkins, manager, Pacific Guano and Fertilizer Co., Honolulu, T. H., arrived at San Francisco recently on a business trip. The high price of sugar is leading to better fertilization of the cane fields, but the scarcity of labor is a drawback.

The estimated production of coke in Connellsville district for the week ended April 21, was 304,870 tons, a decrease of 1,650 tons from the preceding week. Quotations are: Spot furnace \$6 to \$6.50; contract furnace \$6.50 and spot foundry \$7 to \$7.50.

In a ruling on small blocks of alum, imported by C. B. Richard & Co., the Customs Board finds that duty was improperly imposed at 60 per cent ad valorem under paragraph 48, tariff act of 1913. Duty is fixed in an opinion by Judge McClelland at 15 per cent ad valorem under paragraph 6.

Among the business visitors at San Francisco, recently were W. Carr Marrow, of the Standard Chemical Co., Tacoma, Wash.; Theodore Weicker, of E. R. Squibb & Sons, New York; W. B. Montgomery, of the American Linseed Co., New York, and William Marienhoff, of Uman's Dye Works, New York.

The General Motors Corp. has organized a subsidiary, General Motors Chemical Co., which will market through gasoline filling station, refiners and large distributors what is essentially a modified type of gasoline. It contains an "anti-knock" compound which has been developed after many years experiment by General Motors Research Corp. at Dayton, O.

Additional reductions in both eastbound and westbound freight rates have been made by Southern Pacific Co., Santa Fe Railroad and Western Pacific Railroad, all with Western terminus at San Francisco. New rates will go into effect June 1 and definite rates will be announced as soon as schedules can be published. Southern Pacific Co., has reduced westbound rates on zinc, paints, roofing material, soap, starch and carbonate of soda, and eastbound rates on salt cakes. Santa Fe Railroad has reduced westbound rates on malted milk, sulfate of ammonia, carbide of calcium, cereal beverages and denatured oil. Western Pacific Railroad has reduced westbound rates on zinc, paints, roofing materials, caustic soda and washing compounds.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending May 12

Bid	Asked	Bid	Asked
Air Reduction	66	Heyden Chem.	134 17 1/2
*Allied Chem. & D. 66 1/4	67 1/2	Hooker Electro	55 65
*Allied Ch. & D., pf. 108 1/4	110 3/4	Hooker Electro, pf. ..	60 70
*Am. Ag. Ch.	21 1/2	*Household Products 35 1/4	35 3/4
*Am. Ag. Ch., pf.	43	*Int. Agricult.	5 1/2 7
*Am. Chicle	8 1/4	*Int. Agricult., pf. ..	9 20
*Am. Chicle, pf.	35	*Int. Nickel	14 1/2 14 1/2
*Am. Cot. Oil.	9 1/4	*Int. Nickel, pf.	78 1/2 79
*Am. Cot. Oil, pf.	19	*Int. Salt	78 1/4 90
*Am. Cyan.	48	*Mathieson Alk.	44 45
*Am. Cyan, pf.	70	Merck & Co., pf.	86 87
*Am. Druggist S.	5 1/4	Merrimac	96 96
Am. Glue	82	Mulford Co.	29 34
Am. Glue, pf.	124	Mutual Co.	150 150
*Am. Linseed	28	*National Lead	120 122 1/2
*Am. Linseed, pf.	46	*National Lead, pf. 110	112 1/2 112 1/2
*Am. Malt	12	N. J. Zinc	164 166
*Am. Zinc	14	Niag. A., pf.	96 100
*Am. Zinc, pf.	49	Parke, Davis & Co. 78	79
Atlas Powder	170	Penn. Salt	89 89 1/2
Atlas Powd., pf.	85	*People's Gas, Chi. ..	89 89 1/2
By. Prod. Co.	67	Procter & Gamble. 124	128
Carborundum	135	Procter & Gam., pf. 102	106
Carborundum, pf.	115 1/4	Royal Bak. Po.	127 137
Casein Co.	59	Royal Bak. Po., pf. ..	97 99
Celluloid Co.	87	Sherwin-Williams ...	29 29
Celluloid Co., pf.	107	Stand. Ch.	90 100
Ches. Mfg.	233	Swan & Finch	30 35
Ches. Mfg., pf.	113	*Tenn. C. & Chem. ..	10 1/2 10 1/2
Com'l Solv. A.	26	*Tex. Gulf, Sul.	62 1/2 62 1/2
Do B.	15	Union Carbide	60 1/2 62 1/2
*Corn Products	129 1/2	Union Sulphur	79 79 1/2
*Corn Products, pf. 116 1/4	118	*Un. Drug	46 47
*Davison Chem.	27	*Un. Drug, 1st pf. ..	46 47
Dow Chem., non par. 40 1/2	27 1/2	*Un. Dyewood	130 150
Dow Ch., pf.	96	*Un. Dyewood, pf. 112	50 1/2
Du Pont de Nem. 137	138	Un. Gas Imp., pf. ...	55 1/4 55 1/4
*Du P't de Nem. Db. 86 1/4	87 1/2	U. S. Gypsum	68 68
Eastman Kodak	108 1/2	*U. S. Indus. Al.	56 1/4 57
Eastman Kodak, pf. 110	110	*U. S. Indus. Al., pf. 99	102 102
*Freepot, Tex., Sul. 15	15 1/2	*Va.-Car. Ch.	11 1/2 12 1/2
*Freep. Tex. Sul., pf. 91	93	*Va.-Car. Ch., pf. ...	37 38
*Grasselli	140	*V. Vivaudou	20 20 1/4
*Grasselli, pf.	102		
Hercules Powder.	105		
Hercules Powd., pf. 103	105		

*Listed on New York Stock Exchange

Eastman Kodak Co., has declared an extra dividend of 75 cents a share on common stock in addition to regular quarterly payment of \$1.25 a share. Since the company split up its stocks last July, dividends at the rate of \$1.25 a share have been paid regularly, and on several occasions extra dividends have been declared. Both dividends declared on the common stock are payable on July 1. In addition, the Directors declared the regular dividend of \$1.50 a share on the preferred stock, payable July 2 to stock of record May 31.

MacAndrews & Forbes Co., reports for the year ended Dec. 31, 1922, net earnings of \$1,153,023, after allowing for all charges and making provisions for Federal taxes. This compares with \$783,988 after the same deductions in 1921. After payment of the regular dividends on the preferred stock there remained a balance equal to \$13.17 a share earned on the \$7,495,000 common capital stock outstanding at the close of the year. In 1921 the company reported a balance available for the common stock equal to \$8.20 a share.

A petition in bankruptcy was filed against Jacksonville Chemical Co., Inc., manufacturers of chemicals and dyes, 246 Water st., New York, by Bernard Soll on a claim of \$550.

Listing of Devoe & Reynolds Co., Inc., \$2,000,000 first preferred 7 per cent cumulative preferred stock has been approved by the Board of Governors of the New York Stock Exchange.

Among the judgments filed during the week were: Bob White Chemical Corp. against Ogden R. Green, for \$220.79; R. Markowitz against Dusal Chemical Co., for \$1,216.43.

Financial Notes

Atlas Powder Co. has declared a dividend of 3 per cent on common stock, payable June 11 to holders of record May 31.

The Chemical National Bank of New York will establish twelve branches in Manhattan and Brooklyn. The Chemical National has been located at 270 Broadway for seventy-five years.

Fleischmann Co., reports for quarter ended March 31 last net income of \$2,018,716. Total sales were \$9,664,290 and net profit from operations \$2,038,583. Net surplus was \$1,124,803.

United States Gypsum Co. has declared regular quarterly dividend of 1 per cent on common, and 1 1/4 per cent on the preferred stocks. Dividends payable June 30, to stock of record June 15.

Property of Canada Copper Corp., Ltd., was purchased at judicial sale at Vancouver, B. C., on May 7, for \$2,000,000 by reorganization committee. New company will be known as Allenby Copper Co., Ltd. (non-personal liability).

British Cotton and Wool Dyers' Association has declared dividend of 10 per cent and bonus of 5 per cent on ordinary shares making 15 per cent for year ended March, as against 10 per cent paid in 1922. Profit for year was £229,223.

E. Bright Wilson has been appointed receiver of the Druggists Commercial Alliance, 250 Hudson st., New York, under bonds of \$20,000 by Judge Winslow in an action filed by Mifflin Chemical Corp. and upon the consent of the corporation. Liabilities, about \$52,000; assets, about \$135,000.

New Jersey Zinc Co., has issued warning to stockholders against messages from New York firms, but purporting to come from the treasurer of company, asking why stockholders addressed had not endorsed their stock certificates and forwarded them for transfer. It is believed that authors of the messages were planning extensive swindle.

Sir Jesse Boots Pure Drug Co., London, England, now owned by Liggetts International Drug Co. of America, has declared cash dividend of 360 per cent on ordinary capital of £100,000, and stock bonus distribution of 900 per cent or nine new ordinary shares on every existing share. This dividend is equal to 16 per cent on American purchase price. Capital is £2,400,000 all issued but £900,000 which is to go to ordinary shareholders.

New Incorporations

Excelsior Chemical Co., 485 California st., San Francisco, Chemicals.

Bay Chemical Co., Brooklyn, N. Y., \$100,000. W. Kopp, C. Seifert. Attorney, C. O. Echler, 481 Knickerbocker ave., Brooklyn.

Star Chemical Co., Philadelphia, Pa., \$75,000. Delaware Registration Trust Co., 600 Market street, Wilmington, Del.

Laubec Chemical Products Co., Manhattan, \$25,000. H. Laut, H. Becker, C. Heckelman. Attorney, H. Gottlieb, 299 Broadway, New York.

Vine Chemical Co., Jamestown, N. Y., \$50,000. W. C. Davidson, R. Osgood, L. Vine. Attorney, A. C. Nelson, Jamestown.

Kesite Chemical Co., New York, \$25,000. Chemicals. N. Kessel, H. Johnson, W. T. Sandall. Representative, D. K. Shappire, 276 Fifth ave., New York.

Zinc Products Corp., Boston, Mass., \$250,000. Chemicals. Grafton L. Wilson, Lawrence E. Green, Ruth F. Doherty.

Tucker Chemical Mfg. Co., Paducah, Ky., \$250,000. Chemicals.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1248

MAKERS ADVANCE LEAD ACETATE

Copper Sulfate Easier on Lower Costs and Less Demand—Caustic Potash Below Shipment Prices—Arsenic Lower on Spot—Oxalic Acid Advanced—Prussiates Weak

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Copper Oxide, 1c lb.	Advanced					
Lead Acetate, 1/4c lb.	Oxalic Acid, 1/4c lb.					
	Potassium Carb., 80-85%, 1/4c lb.					
Arsenic, Spot, 1/4c lb.	Declined					
Copper Sulfate, 10c per 100 lbs.	Potash, Caustic, 1/4c lb.					
	Barium Nitrate, 1/4c lb.					
	Sodium Prussiate, 1/4c lb.					
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.24	\$1.23 1/4	\$1.12	\$0.89 1/4	\$1.19 1/4	\$0.97
Sulfuric Acid, 66 deg. ton	15.00	15.00	14.00	14.00	55.00	20.00
Bleaching Powder,						
Works .....100 lbs.	2.00	2.00	2.00	1.60	9.50	1.50
Copper Sulfate ....100 lbs.	6.00	6.15	6.40	5.50	20.00	4.50
Potash Caustic .....lb.	.08	.08 1/4	.08 1/4	.06	.87	.08
Saltpetre, cryst. ....lb.	.07	.07 1/4	.07	.07 1/4	.35 1/4	.04 1/4
Soda Ash, 58 p.c....100 lbs.	1.80	1.80	1.80	1.80	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.55	3.55	3.85	9.50	1.42
Potassium Bichromate ..lb.	.11 1/4	.11 1/4	.11	.10	.65	.06 1/4
Average	3.188	3.208	3.234	2.996	11.06	3.14

Business in chemicals continues slow, especially in the spot market, which has been inactive for several weeks. Buyers appear to have sufficient stocks to carry them along for the time being, or are buying for immediate requirements only. Manufacturers report that new business is falling off. Supplies of imported chemicals are abundant and in some directions there is a pressure to move them, with result that the market has softened considerably. Caustic potash weakened with the arrival of several carlots of material which was offered well below the market. Copper sulfate is lower. Large quantities of imported material are being sacrificed in order to move the material from warehouse or dock. Arsenic demand has been quiet and holders of spot material are offering it at lower prices. Calcium arsenate has not been moving as freely as it should be at this time of year. Prussiates are weak. Lead acetate has been advanced following the recent advances in cost of raw materials. Copper oxide is higher. Potassium carbonate is scarce, but quiet. New prices are in effect for potash salts. Export demand for caustic soda is slow. Bleaching powder is quiet temporarily. Caustic soda and soda ash are less active.

Acid, Acetic—Demand continues along steady lines and some producers are sold to capacity at present. Prices are holding firm at the new schedule, which ranges from \$3.38 for 28 per cent in carlots of barrels to \$12.78 for glacial.

Acid, Formic—Some consumers are inclined to turn to this material in view of the higher cost of other acids. Demand has been irregular and sellers are naming technical at 12c@14c lb. and better grades at 14c@16c lb.

Acid, Muriatic—The situation remains unchanged in so far as prices and demand are concerned. Consumption has been steady and makers are operating at full capacity. Tank cars of 20 degree are moving at \$1.00@ \$1.10; 22 degree in carlots of carboys held at \$1.75@ \$2.00.

Acid, Sulfuric—Makers report an increasing volume

of business and a little difficulty in meeting the demand especially in 66 degree acid, which is well sold at present. Tanks are named at \$15@ \$16 ton; 60 degree acid is in good supply with makers quoting \$9@ \$10 ton. Oleum continues in small supply at \$18@ \$19 ton.

Acetone—Makers have very little to offer while demand continues active. The C.P. is held at 25c@25 1/2c lb at works; second hands name 30c@32c lb. The methyl acetone named at 80c85c per gallon.

Alums—Buyers have not displayed much activity and the market is more or less routine. The ammonia is named at \$3.50@ \$3.65 at works; imported also named at \$2.50. Occasional orders of potash alum are sold at 3c@3 1/4c lb.

Ammonium Chloride—The market continues somewhat easy with sellers of imported material quoting 6 1/4c @7c lb for the white; gray is in small supply at 8c@9c lb. Domestic material is firm at 7 1/4c@8c lb for white and 8c@8 1/2c lb for gray.

Arsenic—Supplies are not very plentiful in the market but demand has been lacking and sellers have been making sales at 15c@15 1/4c lb on spot. In some cases as low as 14 1/4c has been reported. Futures have also been quiet with quotations heard at 7 1/2c@8c lb for September domestic shipment. European material named at 12c@14c lb for July-August. Calcium arsenate has not been very active and some holders are weakening with the slowness of demand and the lateness of the season. Some sellers are shading 17c lb.

Barium Compounds—Supplies of carbonate are small but in the face of no demand prices are inclined to be easy. Imported at \$70 ton; domestic, \$68 at works. The chloride is dull with imported \$80@ \$85 ton; domestic material firm at \$90 ton. Nitrate is easier at 8c lb.

Bleaching Powder—Consumers are using up some of their excess stock and are not accepting deliveries that will mean holding supplies through the summer. Makers are only supplying goods the mills require for present consumption. Quotations at works, \$1.90@ \$2.00; ex-warehouse, N. Y., \$2.40@ \$2.50.

Copper Sulfate—Makers have reduced their prices as the price of metal has dropped somewhat and demand showing signs of weakening. Most agricultural sections are covered now. Makers quote \$6.00@ \$6.10, delivered. Imported material has been standing still and stocks are said to be very large and holders in some cases are taking losses to move their goods. Prices have been heard at 5c@5 1/4c lb.

Glauber's Salts—Makers report a steady consumption and that they have no excess stocks on hand for surplus during the summer months, when it is difficult to crystallize the sale. Quoted at \$1.25@ \$1.40 in carlots of barrels. Imported is spasmodic and not very active at 90c @ \$1.00.

Lead Acetate—Recent advances in the price of acid and pig lead have caused makers to advance their prices. New prices are 1/2c lb higher; white, 14c@14 1/2c lb; broken, \$13.40; granular, \$13.65; powdered, 14 1/4c @ 15 1/4c lb; brown, 13c lb.

Potash Caustic—A large shipment of potash offered below the current prices depressed the market for several days when sales were made at 7 1/2c@7 3/4c lb. This material is gone and present sellers are now quoting

8c@8½clb. Domestic makers report a steady demand at 9c@9½clb, works.

Potassium Carbonate—This market has been dull but the scarcity of material is keeping prices up. The 80-85 per cent calcined is quite scarce and prices are higher at 6¾c@7clb; 90-95 per cent, 7c@7¼clb; 96-98 per cent, 7¾c@8clb.

Potassium Prussiate—The yellow is holding steady at 36½clb while the red is in small demand at 72c@76clb as to quantity and seller.

Soda Ash—Spot demand has shown a slight falling off but demand throughout the country is reported satisfactory. Dealers are asking \$2.00 per 100lbs for less carlot quantities. Makers continue to quote \$1.20, basis 48 per cent, in carlots of bags at works.

Soda Caustic—Competition in the spot market is causing some sellers to shade their prices slightly in order to get business, which has not been quite as active during the past few weeks. Prices range from \$3.40@ \$3.70 for the solid depending upon the brand and quantity. Flake selling at \$4.00@\$4.10. Makers still quote solid at \$2.50, basis 60 per cent, in carlots at works. Export demand has fallen off but there is no pressure to move material.

Sodium Prussiate—Imported continues weak and sellers are offering spot goods at 16½c@17½clb. Domestic makers quote 17½clb. at works.

Sodium Bichromate—Labor troubles are affecting the cost of production in some directions and prices are being quoted at higher levels than those recently prevailing. Works prices at 8½clb; spot, 8¾clb.

Sodium Sulfide—Demand for crystals continues active and makers are just keeping abreast of production. Difficulty in keeping stocks prevents an accumulation of supplies. Moving at 2½c@2¾clb. Imported held at 2¾c@2½clb. Domestic solid is in good demand while imported material is neglected. Solid, 4c@5clb; broken, 4¼c@5½clb.

Nitrate exports from Chile during March totaled 253,000 metric tons, of which 110,000 went to the United States. Exports for the first half of April were 295,000 tons, of which 62,000 tons came to the U. S. March sales totaled 197,000 tons as against 31,000 tons during the first three weeks of April. Customs receipts in Chile in March were 15,000,000 gold pesos, the highest since Feb., 1920.

Dr. Charles E. Munroe, chief explosive chemist of the Bureau of Mines, suggests that the safest and easiest way to control the oil well fire near Corsicana, Tex., which has resulted in the death and injury of sixteen or more persons, would be to blow out the flame with TNT.

California Alkali Co., Cartago, Calif., manufacturers of soda ash from natural brine, is to be taken over by Great Western Electro-Chemical Co., Pittsburg, Calif., makers of alkalies, bleach and cyanides, according to reports from San Francisco.

Applications for changes in the tariff made to the Tariff Commission now number 190. One appeal has been filed for lower duty on chlorate of potash and one for an advance in the rate.

Society of Chemical Industry will hear Dr. N. E. Loomis on "Present Day Petroleum Industry," at a meeting at the Chemists' Club, Friday evening, May 18.

Quarrying garnet at Danbury, N. H., will be undertaken by Ford Motor Co. to supply garnet for polishing plate glass and automobile bodies.

RUHR SITUATION MAY REDUCE ZINC PRICES

At the fifth annual convention of the Zinc Institute, held May 7 and 8, in St. Louis, Mo., a drop in prices of slab zinc in New York and St. Louis was predicted by A. J. M. Sharp of London, who is considered a world authority on zinc, as a direct result of the French occupation of the Ruhr. German and Belgian metal, he declared, is being thrown on the London market causing a reduced demand in England for zinc from the United States, and since domestic consumption is below production the effect would be to lower prices.

George F. Wolff, comptroller of the New Jersey Zinc Co., spoke on "Budgeting for Business Control." Edward V. Peters, of the same company, spoke on "Zinc Oxide and Lithopone." The question of a national advertising campaign was discussed following a report on publicity by E. S. Gellatly of the Illinois Zinc Co. in which he stated that there has been a general lack of knowledge of the uses of zinc in the United States.

F. W. Wallower of the Golden Rod Mining & Smelting Corp., Joplin, Mo., was elected president; A. P. Cobb, New Jersey Zinc Co., Jesse G. Starr, Quinton Spelter Co., Joplin, Mo., and Cornelius F. Kelley, Anaconda Copper Mining Co., New York, vice presidents; H. I. Young and Stephen Tuthill re-elected treasurer and secretary, respectively.

WHITE ARSENIC ESTIMATE IS CUT

A cut in the estimate of white arsenic production from 22,000 tons, with 5,000 tons additional from Mexico, to 15,000 tons, was made by the Geological Survey, this week. In the official announcement it was said that the error in the original estimate was due to miscalculation on the increase in the capacity of plants. The new estimate is based in upon actual production in March. It is thought possible that two or three plants may shut down unless the demand for white arsenic continues strong.

During April a steady volume of business was put through in England both for home and export, and in many cases higher prices have been realized, according to the April report of Sir S. W. Royce & Co., Manchester. The moderate reductions in railway rates, which came into force May 1, were disappointing to traders and there is considerable pressure for further concessions. The returns show 17,762 tons of copper sulfate exported during the first three months of this year against 16,119 tons for the same period in 1922.

Jardine Mining Co., Jardine, Mont., has recently completed equipment for and is now producing one hundred tons of white arsenic per month. The output will be increased as rapidly as possible up to 300 tons per month, with the possibility of eventually reaching an output of 500 tons per month. As white arsenic is a by-product the company is in a position to produce arsenic for twelve months of the year and hold it subject to demand.

Petition for an investigation of the duty on cresylic acid was sent to Tariff Commission, last week, by chairman of the committee of producers and consumers recently appointed. No action has yet been taken by the Tariff Commission, but a preliminary investigation will be conducted to determine whether a full investigation is necessary.

Fire at Chipman Engineering Co.'s plant, Bound Brook, N. J., Saturday night, May 12, destroyed ten cars of calcium arsenate, with loss of about \$60,000, covered by insurance. The loss had no effect upon the market.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 1252

BENZALDEHYDE CONTINUES SCARCE

Demand for Basic Colors Creates Shortage—Naphthalene Offered Lower Abroad—Phenol Demand Quiet—Cresylic Acid Lower—Business Generally Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced No Advances	
	Declined	
Acid, Cresylic, 5c gal.		Naphthalene, flake, 1/2 c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, C.P. gal.	\$.30	\$.30	\$.30	\$.29	\$ 1.10	\$.26
Naphthalene flake lb.	.09	.09 1/2	.09 1/2	.07	.16	.03
Phenol lb.	.58	.58	.55	.12	1.50	.08
Xylene, 2-deg. gal.	1.00	1.00	1.00	.45	..	..
Toluene, pure gal.	.30	.30	.30	.30	..	..
Aniline Oil lb.	.16	.16	.16	.14	1.40	.10 1/2
Benzaldehyde lb.	.75	.75	.70	.35	..	..
Betanaphthol, dist. lb.	.24	.24	.24	.25	1.50	.08
Paranitroaniline lb.	.74	.74	.74	.75	1.85	.13
Average .....	.448	.448	.444	.330	1.25	1.67

The lack of buying which has been noticeable in other markets during the past few weeks has extended to this field. Business in the spot market has been more or less at a standstill during the week while makers report a smaller amount of business. Supplies of coal tar crudes are gradually becoming more abundant but are still far from being satisfactory. Prices on the whole are holding steady especially in the intermediates. Demand for phenol has been inactive and a few holders are inclined to lower their prices while others are firmly maintaining their quotations. Naphthalene is easing off gradually in price though supplies are still limited. Quotations for crude naphthalene in England have dropped considerably. Cresylic acid is offered at lower prices. Benzaldehyde is still in small supply and makers are being pushed to plant capacity production. Demand for export and for basic colors has reduced stocks and kept the market bare of supplies. H-acid continues in active demand. Alpha-naphthylamine is firm. Beta-naphthol is less active. Xylidine is scarce.

Coal Tar Crudes

Benzene—Supplies are in adequate volume and production is increasing steadily. Consumption has been progressing satisfactorily and will increase steadily during the warm months. Producers continue to quote 90 per cent at 27c@32c per gallon and the pure at 30c@35c. Second hands quote 33c@38c as to quantity and grade.

Cresylic Acid—A petition for an investigation of the duty on this product is now in the hands of the Tariff Commission. Prices of 97-99 per cent have been reduced slightly and are now on the basis of \$1.25@1.35 per gallon as to quantity and seller. Dark held at \$1.15 @ \$1.20. Domestic makers are sold months in advance. Imports at New York last week, 118 drums.

Naphthalene—Though still scarce, offerings have been a little freer and flake is offered at 9c@9 1/2 c lb, spot. Chipped is offered at a range from 7 1/2 c@9 c lb. Crude is offered more freely from abroad at 2 1/2 c@2 3/4 c lb c.i.f. New York. New contract prices from leading maker are expected to be announced soon for last half or third quarter of the year and will undoubtedly be higher than those covering the first half.

Phenol—Inquiry has been quiet and a few weak holders are inclined to accept business at 54c@55 c lb while others are naming 57c@58 c lb. Sales have been confined to small quantities and any large order would probably strengthen the market. Domestic material is sold well in advance and makers are far behind in their shipments.

Solvent Naphtha—Still very scarce and no supplies will be available for several weeks. Makers are producing a little but present production is contracted for.

Toluene—Production has been increasing and supplies are more free than they have been for a long time. Prices are unchanged at 30c@35c per gallon.

Xylene—In limited supply with prices named at \$1.00 per gallon. Production is expected to be increased with the approach of warmer weather.

Intermediates

Acid, Benzoic—Makers are quoting technical at 70c@75 c lb with supplies limited to small quantities. U.S.P. held at 72c@77 c lb.

Acid, Gamma—Business is along steady lines with prices holding steady at \$1.70@1.80 lb.

Acid, H—Makers report an active demand which is keeping stocks down to a minimum at all times. Prices have been holding steady at 80c@90 c lb.

Acid, Laurent's—Improvement in demand has been noted recently. Quoted at 90 c lb.

Acid, Salicylic—Technical is named at 45c@47 c lb with demand along steady lines. U.S.P. is quoted lower in some directions with the range 40c@50 c lb.

Alpha-naphthylamine—Movement is steady and prices firm owing to smallness of supplies and higher costs of raw materials. Ton lots named at 36c@37 c lb.

Aniline Oil—Selling basis remains unchanged at 16c@17 c lb depending upon the quantity. Rubber makers are taking large quantities while the consumption for dyes is steady.

Benzaldehyde—Demand continues active while supplies are limited to present production. Makers are quoting 75c@80 c lb.

Benzidine—Makers continue to quote the base at 84c@86 c lb. Consumers are taking on their requirements steadily and in good volume.

Beta-naphthol—Buying has quieted down but makers have made no change in their selling basis of 23c@24 c lb. Outside hands are offering inducements at 21 1/2 c lb.

Diethylaniline—Supplies continue small with makers sold several weeks in advance. No change in prices, which hold at 60c@65 c lb.

Dimethylaniline—With basic colors active, demand for this material continues steady and in good volume. Supplies appear ample for present consumption. Makers quote 41c@43 c lb as to quantity.

Nitrobenzene—Prices are holding steady at 9 1/2 c@10 1/2 c lb for the crude; redistilled, 10c@11 c lb.

Ortho-toluidine—Routine demand with supplies adequate for present consumption. Prices are named at 14c@16 c lb as to quantity and seller.

Para-nitraniline—There is little change in the situation with demand steady and prices firm at 74c@75 c lb.

Para-toluidine—Improvement in supplies is noted while demand has dropped off slightly. Prices are holding firm at 90c@\$1.00lb.

R-Salt—Quiet with prices named at 55c@70clb as to quantity and quality.

Starches and Dextrines

Business has been quiet, sales being small and routine in character. The market is firm, prices being unchanged at recent levels. A better buying movement is expected next month.

Xylidine—Scarcity of crude material is keeping production at a minimum while demand has been increasing. Makers quote drums at 47clb.

FRENCH SEIZE GERMAN DYE PLANTS

French troops occupied the Hoechst Color Works, in Hoechst, on the Main, and the Badische Aniline and Soda Works at Ludwigshafen on Tuesday, May 15. These plants are the most important in the German aniline trust. The troops also seized chemical plants near Wiesbaden.

The Hoechst works, in addition to aniline dyes and other coal tar products, produced salvarsan. The Badische plant is best known for the manufacture of synthetic nitrates by the process invented by Professors Haber and Bosch.

Chemical works in Uerdingen were occupied by the Belgians, and the town of Limburg, close to the periphery of the old American Coblenz bridgehead, was taken by the French.

It was explained at French headquarters that the plants were occupied because the owners, under the provisions of the Treaty of Versailles, had undertaken to make deliveries of chemicals and dyes to the Allies, which they had failed to do since the Ruhr occupation.

TANNING EXTRACT OUTPUT DECREASED

A decrease in the activities of the establishments engaged in the manufacture of dyestuffs and tanning extracts during 1921 is reported by the Census Bureau in comparison with the year 1919. The total value of products reported amounted to \$28,310,700 as compared with \$53,744,300 in 1919, and \$20,620,300 in 1914, a decrease of 47 per cent from 1919 to 1921, but an increase of 37 per cent for the seven-year period 1914 to 1921.

HOPES HARD COAL MAY END LONDON FOG

Sir Arthur Buckham, chairman of the Woodhall Co. of England, accompanied by Sir William J. Jones, arrived in New York, recently, on a tour to investigate the possibilities of making artificial anthracite. Sir Arthur was director general of British aircraft production during the war and was also a member of the Royal Commission on the coal inquiry in England.

"One of the principal objects in my life," said Sir Arthur, "is to try to eliminate the fogs in London. If I can succeed in producing artificial anthracite and having it used universally in London instead of bituminous coal, I can, in large measure, eradicate the fog."

The output of sulfur in the United States in 1922, according to statistics collected by the Department of the Interior, through H. A. C. Jenison, of the Geological Survey, was 1,830,942 long tons, compared with 1,879,150 long tons in 1921, but the shipments, which were 1,343,624 tons, greatly exceeded those in 1921, which amounted to 954,344 tons. The large stocks previously accumulated by producers were materially increased during 1922. The total value of the sulfur shipped was greater in 1922 than in 1921, but the value per long ton was less.

LOGWOOD RECOVERS FROM DEPRESSION

Logwood has recovered from the depression of 1921, when the price fell to \$15 per ton f.o.b. Cape Haitien, compared with \$40 in the summer of 1920, says the American consul at Cape Haitien, Haiti. Of the total amount shipped in 1922 at least 90 per cent went to Newport News, and Chester, Pa., for reduction into extract at the plants of large American dyewood companies. This proportion amounted to 13,571 tons, of the declared value of \$277,194.79, or an average of \$17.42 per ton after deduction of the export duty of \$3 per ton.

The logwood extract plant at Grand Riviere du Nord increased its output and exportation from 306,199 pounds of liquid extract in 1921 to 1,552,889 pounds in 1922. The declared value of the product for 1922 was \$59,592. In addition the factory shipped 30,260 pounds of extract in crystallized form. The entire quantity went to the United States.

RUHR SITUATION CUTS CHEMICAL OUTPUT

The German chemical industry has been more damaged than either iron and steel through occupation of the Ruhr, says the "Wall Street Journal." The big nitrate works of Launa, near Halle, the Baden aniline works at Oppau and the chemical works at Hoechst near Wiesbaden and at Leverkusen, near Cologne, were closely linked. They depended on the Ruhr for their coke, and upon one another for a steady exchange of chemicals.

Occupation has closed the Baden works at Oppau. This hindrance is regarded as serious, as the explosion stopped production there a year ago. Oppau was slated to produce 100,000 of the 350,000 tons of nitrate on the program of the German nitrate syndicate for this year.

Leverkusen reports a considerable reduction in output through occupation. Launa, outside the occupied area, is still operating at normal, but is preparing to introduce short time, anticipating a shortage of coke.

Dr. R. Boeringer, former secretary and manager of the scientific and technical departments of the National Oil Products Co., will leave for Europe soon to investigate developments in the vegetable and animal oil industries. On his return he will produce new products for the textile and tanning industries.

Leo R. Weber, who was in charge of the color department of A. Klipstein & Co., died on Tuesday, May 8. Mr. Weber had been associated with the Klipstein organization for fifteen years.

The Badische Anilin und Sodafabrik of Ludwigshafen reports net profits for 1922 of 5,034,000,000 marks, against 169,000,000 last year. The dividend is increased from 30 to 300 per cent.

Crystal Carbonate Lime Co., Louisiana, Mo., will rebuild the portion of its plant destroyed by fire. Machinery for the production of commercial fluxing stone will be installed.

George C. Lommel known in the trade for sixteen years, has taken charge of import department of John Campbell & Co., importers, New York.

The Mifflin Chemical Corp., Philadelphia, has designated A. H. Selling, 257 Hudson st., New York, as its New York State agent.

R. T. Claremont Chemical Co., Jersey City, N. J., will rebuild its works destroyed by fire with loss of about \$40,000.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1263

LINSEED AND CHINAWOOD OILS LOWER

Supplies More Plentiful on Spot—Coconut, Corn and Soya Bean Lower—Stearic Acid and Red Oil Reduced—Tallow Easier—Turpentine Down Sharply

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
No Advances			
Chinawood Oil, Spot, 2c lb.		Olive Oil, foots, 3/4c lb.	
Coconut Oil, Ceylon, tks., 1c lb.		Palm Oil, Niger, 3/4c lb.	
Cochin, tks., 3/4c lb.		Red Oil, 3/4c lb.	
Manila, tks., 3/4c lb.		Soya Bean Oil, 3/4c lb.	
Corn Oil, crude, 3/4c lb.		Stearic Acid, D.P., 3/4c lb.	
Cottonseed Oil, crude, 3/4c lb.		T.P., 1c lb.	
Grease, 3/4c@3/4c lb.		Stearine, 3/4c lb.	
Linseed Oil, 3c gal.		Tallow, extra, 3/4c lb.	
Oleo Oil, No. 1, 3/4c lb.		Turpentine, 8c gal.	
No. 2, 3/4c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.72	.72	.70	.60	1.27	\$.36 1/2
Degras, American, bbl..lb.	.04 3/4	.04 3/4	.04 3/4	.04 1/4	.25	.08 1/2
Lard, No. 1.....gal.	.93 3/4	.94 3/4	.95 1/2	.80	2.90	.92
Menhaden, crd. bbls.....gal.	.55	.55	.55	.42	1.20	.33
Nutsfoot, 20 deg. c.t.gal.	1.25	1.25	1.27	1.80	3.45	.95
Red Oil, distilled.....lb.	.11	.11 1/2	.11 3/4	.08 3/4	.17	.07
Stearic Acid, T.P.....lb.	.15	.16	.16	.10	.33	.12
Coconut, Ceylon						
Dom., bbls.....lb.	.10 1/2	.10 1/2	.10 1/4	.08 3/4	.90	.14
Cottonseed, crude, tanks..lb.	.09 1/2	.09 3/4	.10 1/4	.10	.25	.08
Linseed, carlots.....gal.	1.14	1.17	1.20	.90	1.88	.57
Olive, denatured.....gal.	1.17	1.17	1.15	1.12	4.50	1.05
Peanut, refined.....lb.	.17	.17	.17	.13 3/4	.30	.03
Soya Bean, bbls.....lb.	.13 3/4	.13 3/4	.13 3/4	.11 1/2	.19 1/4	.07
Average .....	.0516	.0520	.0518	.0475	1.30	.0362

Continued weakness has been manifested in the market and further declines in animal and vegetable oils have been recorded. Offerings are more plentiful but buyers have been showing little interest in present prices. Crushers have made a further reduction in linseed oil, while importers are also quoting lower prices. Supplies are not over abundant and it is reported that domestic crushers are importing oil to meet their contracts. Chinawood oil is easier on freer offerings of excess consumers stocks. Larger imports were noted during the week. Animal oils and fats continued easy with declines in tallow and greases. Stearic acid and red oil have been reduced by makers following the recent declines in raw material. Oleo and stearine are lower. Fish oils continue scarce and prices are being easily maintained. No further sales have been reported in menhaden, buyers appearing to be holding off until fishing operations open up. Turpentine declined sharply owing to generous receipts and a lack of buying interest. Rosin is steady.

Vegetable Oils

Castor Oil—Crushers are still quoting No. 1 at 14 1/2c @15c and No. 3 at 14c@14 1/2 lb. Crushers are looking forward to receipt of seed shipments now afloat when the situation will be improved. Arrivals last week were 4,078 bags.

Chinawood Oil—The situation is about the same, though offerings are freer in the market due to release by consumers who had purchased in excess of their needs. Spot oil lower at 36lb. Futures, June-July, 24c@25c.

Coconut Oil—Buying is chiefly in small quantities. Prices have declined owing to increased offerings. Ceylon is held at 8 3/4c in tanks. Cochin 9 1/4c@9 3/4c. Manila, in tanks, coast at 8 1/2c.

Corn Oil—Sales this week are being made at 10c@10 3/4c for crude in tanks at mills. Local market supplies are still small and offerings here and there are made at 12 3/4c@13c. Refined is held at 13 1/2c@13 3/4c, New York.

Cottonseed Oil—The tendency of refined oils continues downward. Crude oil has declined to 9 1/4c@9 1/2c lb. The market is irregular. P.S.Y. opened this week lower with spot at 11 1/4c. July-August futures are receiving most attention. May opened 25 points lower at \$11.05@11.50 and December \$8.50@8.53.

Linseed Oil—Crushers are accepting the position as becoming satisfactory and are quoting carlots at \$1.14 per gallon and less cars at \$1.17. Prices are much easier. Imported oil is in good demand, one buyer having made a purchase of 2,000 barrels. Speculators are playing the market, some having made purchases as low as 98c, and as high as \$1.10 and \$1.12. London linseed oil is lower at 44s per quintal. Flaxseed prices show a gain during the week. May, Winnipeg, opened at \$2.53; July, \$2.42; Oct., \$2.21. Duluth, May, \$2.97; July, \$2.73; Sept., \$2.50. Buenos Aires, firm, \$2.11.

Olive Oil—Prices remain firm at \$1.17@1.20 for denatured. Europe continues to take greater quantities, and prices are tending higher. Edible steady at \$1.80@ \$2.20. Foots have declined at 9 3/4c@9 1/2c for spot.

Palm Oil—Niger is again easier at 7 1/2c@7 3/4c. Lagos holds steady at 8 1/4c@8 1/2c.

Soya Bean Oil—Quieter conditions are ruling this market. Spot crude in tanks lower at 10 3/4c@11c. spot. Crude in tanks at coast, 10 1/2c.

Animal Oils

Greases—The demand continues slow. White is lower at 8 3/4c; yellow, 7 3/4c; brown, 7 3/4c; house, 7 1/2c; bone naphtha, 6 3/4c, all lower at those figures.

Red Oil—Reduction in prices has somewhat stimulated buying. Makers now quoting saponified and distilled at 11c@11 1/2c.

Stearine—Makers are quoting lower prices at 10c.

Tallow—City extra, loose, declined to 8c. on an easy market. Supplies are plentiful but demand is lacking.

Fish Oils

Cod Oil—Holders of Newfoundland are distributing in small quantities, having very little oil at their disposal. Prices remain unchanged at 72c@74c per gallon.

Menhaden Oil—No further sales have been reported on the "if made" basis and buyers are waiting for the opening of the new season's catch. Refined oils are scarce and high.

Whale Oil—Refined oil supplies limited and sellers are inclined to name higher prices. Natural, 79c per gallon; bleached, 81c; extra bleached, 83c.

Naval Stores

Turpentine—Prices dropped sharply during the week as a result of large receipts and few sales. The market opened firmer with ex-yard prices at \$1.08. Steam distilled, \$1.00; destructive, 70c.

Rosin—The market has been steady owing to a fair demand. Receipts from the new crop have been increasing and supplies in the primary centers are fairly large. B-I, \$6.40; K, \$6.15; M, \$6.25; N, \$6.50; WG, \$6.80; WW, \$7.95.

SAYS NATIONS SCRAMBLED FOR COPRA

International scramble for oil led to partition of the Pacific, says the "Boston News Bureau." Robert Louis Stevenson told how Theodor Weber "harried the Samoans" for copra. Weber first saw how valuable the cannibal islands of the South Seas might be made by cultivation of the coconut palm. While German consul at Samoa he managed a pioneer corporation that planned for the Pacific much as the old Hudson Bay Co. once planned for Canada. Germany got away first in the race for coconut oil, and would have monopolized the Pacific had she not been checked. The great hurricane at Apia when the ships of three nations lay in harbor ready for action belongs to the story; so does the episode of Germany in Manila Bay when Dewey was there.

International scramble for land led to partition of Africa. After Stanley had gone "through the Dark Continent," England, France and Belgium proceeded calmly to divide up that vast area. Then, to the amazement of the world, Germany entered the field, and the rush was on. Conferences were held. A "balance" had to be preserved. The enormous resources of Africa were the great prize. Leopold, king of the Belgians, maltreated the Congo natives for rubber. It is a defensible proposition that the race for African territory was precipitated by rubber.

VEGETABLE OIL OUTPUT WAS 562,310,676lbs.

The factory production of fats and oils (exclusive of refined oils and derivatives) during the three-month period ended March 31, 1923, was: Vegetable oils 562,310,676 pounds; fish oils 4,693,934 pounds; animal fats 650,925,891 pounds; and grease 107,724,809 pounds, a total of 1,325,310 pounds, according to the Census Bureau. Of the several kinds of fats and oils covered by the inquiry, the greatest production, 544,887,020 pounds, appears for edible and neutral lard. Next in order is cottonseed oil with 306,388,636 pounds; linseed oil with 155,148,370 pounds; tallow with 104,025,420 pounds; coconut oil with 58,749,915 pounds; and corn oil with 28,221,938 pounds.

The production of refined oils during the period was as follows: Cottonseed 331,732,583 pounds; coconut 45,703,582 pounds; peanut 1,864,652 pounds; soya-bean 136,135 pounds; corn 20,854,529 pounds; and palm-kernel 170,525 pounds.

FRENCH OLIVE OIL PRICES ARE STEADY

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Marseilles, May 5.—Olive oil prices are steady. Prices per 100 kilos are:

	Francs
Olive oil, Bouches du Rhone	650
Var	540@550
Tunisian, extra	515@520
Tunisian, ordinaire	500@505
Algerian, superfine	450@455
Algerian, fine	435@440
Borjas, extra	520@530
Andalusia, extra	500@510
Olive oil, refined extra	480@485
Oil Pulp	410@415
Lampautes, Algerian	415@420
Lampautes, Corse	380@385
Lampautes, Pays	390
Ressence de Corse	280@290

Whittemore-Woodbury Co., Charlestown, Mass., will rebuild the portion of its plant destroyed by fire April 30, with loss of \$25,000. The company produces blacking and waxes.

Oil Trade Notes

L. Rhoades, representative of Paraffine Paint Co., San Francisco, in the Hawaiian Islands, is paying the home office a visit.

The Carolina Chemical Co. will establish a plant for the production of animal oils at Greensboro, N. C., according to reports from that quarter.

G. B. Heckel, secretary of the National Association of Paint and Varnish Manufacturers, was the guest of honor at a testimonial dinner at the Manufacturers' Club, Philadelphia, on May 3.

The Capston Mfg. Co., 132 Union st., Newark, N. J., has acquired the factory on Plum Point Lane, formerly occupied by the Gulf Refining Co., for the manufacture of oils, greases and soaps, and has plans for remodeling and improving the works.

The Kream Olive Soap Co., Springfield, Mo., has had plans prepared for a new plant on Glenstone Road, to be equipped for the manufacture of soap products. The works will consist of two two-story buildings, 40x110 feet, and 40x75 feet, respectively.

The American Tar & Turpentine Co., Broad st., New Orleans, La., will receive bids at an early date for the reconstruction of the portion of its works recently destroyed by fire. The new structure will cost approximately \$100,000, with machinery and equipment.

Oil Trades Association, New York, will hold its annual outing June 14. Chairmen of committees have been named as follows: Legislative, Frederick J. Snyder; Entertainment, Albert J. Squier; Membership, T. J. Skidmore.

H. D. Ruhm, of H. D. Ruhm & Co., New York, was elected president of the Paint, Oil and Varnish Club, New York, at the annual meeting held on May 10 at Delmonico's, 44th st. and 5th ave., New York. Charles J. Roh was elected vice president, H. G. Sidebottom, secretary, and George H. Tomlinson, secretary.

W. P. Fuller & Co., paint Manufacturers of San Francisco, one of the largest concerns handling paints, oils and colors on the Pacific Coast, has completed a five-story addition to its main plant at Mission and Beale streets, as well as another story to the former building the improvements costing more than \$40,000.

The California Sea Products Co., which operates a whaling station and reduction plant at Moss Landing, Cal., lists its catch of whales in California waters according to species, as follows: Humpback, 85 per cent; finback, 10 per cent; sulfur bottom, sperm set whale and bottlenose, 5 per cent.

S. J. Cassels, of Montgomery, Ala., was elected president of the Interstate Cottonseed Crushers' Association at the annual convention held at Hot Springs, Ark., May 2-4. R. F. Crow, Houston, Texas; John W. Todd, New Orleans, and J. N. Bridgers, Wilson, N. C., were elected vice presidents. Robert Gibson, Dallas, Texas, was re-elected secretary and treasurer.

D. Edward Sokal, New York, member American Chemical Society, has discovered a refractory paint which acts as a catalyst when applied to the interior of cylinder head or firing chamber of internal combustion engines and makes the explosion more rapid and complete. Cars can be operated with a "leaner" mixture, more air and less gasoline vapor.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1252

MAKERS SPLIT ON SALICYLATE CUT

One Manufacturer Reduces Prices Ten Cents and Another Follows—Others Unchanged at Old Schedule—Bromide Import Cost Higher—Adulterated Amidopyrine Sold—Cream Tartar Firmer—Quicksilver Easy

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Cream Tartar, Imp., 1/2 lb.	Resorcin, U.S.P., 25c lb.
Declined	
Acetylsalicylic, 10c lb.	Mercury, \$1.00 flask
Acid Salicylic, 10c lb.	Potassium Permanganate, 2c lb.
Formaldehyde, USP., Bbls., 1/2 lb.	Salol, 5c lb.
	Sodium Salicylate, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$35	\$31	\$2.00	\$20
Acid Citric, Import	52	52	52	44 1/2	1.25	45
Caffeine Alkaloid	3.75	3.75	3.75	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	.94	3.43	.90
Camphor, Jap. ref. ....	.87	.88	.88	.77	3.55	.41
Iodine, Resublimed	4.55	4.55	4.55	4.20	5.00	3.75
Menthol	7.75	7.75	7.90	5.75	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.23	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.60	.90	.25
Sodium Salicylate .....	.47	.52	.52	.32	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	.76	2.05	.50
Average	2.19	2.20	2.21	1.88	5.92	1.56

A genuine price war among salicylate manufacturers enlivened a dull fine chemical market during the week. One prominent maker cut all salicylate prices ten cents owing to competition from a factor who has been underselling the market by five cents for some time past. Another big producer followed the competitive cut. This makes two makers at 40c for U.S.P. acid, two still at 50, and the factor who precipitated the cutting war, unchanged at 45c. This was the chief development of importance during a quiet week. Prices have held well in the face of slower business, and except for confidential shading, revisions have been quite evenly divided between advances and declines.

Acid Acetylsalicylic—Both American makers of acetylsalicylic cut prices sharply to 95c@\$1.00 lb. in the salicylate price-war. Outsiders name available small lots at 95c lb. with restricted quantities only offered.

Acid Citric—Imported quoted at 52c lb. spot with stocks limited, as recent importations have been light. Primary market still firm. During the past week 33 barrels were entered at New York. Makers are unchanged at 49c lb. spot with very little to offer. Whether or not the price moves up in accordance with higher costs of raw materials remains to be seen.

Acid Diethylbarbituric—Imported generally quoted at \$4.50 lb. spot with some factors doing \$4.35 lb. Position is firm and future is said to hold higher prices.

Acid Tartaric—Imported holding firm at 37c lb. spot with possibility of firmer prices according to trade. Makers quoting 37 1/4 c lb. spot for U.S.P. crystals. Demand good and supply somewhat limited. During past week 44 cases were received at New York.

Alcohol—Unchanged with demand light at 35c gal. for complete denatured and 95 per cent methanol easy at \$1.12@\$1.16 gal. spot.

Amidopyrine—Unchanged but strong at \$6.00@\$6.50 lb. spot as to seller. Reports are current that some sup-

plies on market were tested and found to contain antipyrine in considerable quantities. There appears to be no large amount available. It is said that American makers have temporarily suspended operations owing to inability to secure raw materials.

Antipyrine—Quoted in fair supply at \$3.00@\$3.25 lb. spot. Higher prices are expected here due to firmer costs abroad.

Bromides—Imported ammonium unchanged at 19c@20c lb. spot. Imported potassium quoted at 18c@19c lb. spot. Imported sodium holding at 21c@22c lb. spot with some factors shading these prices. It appears that it is only a question of time when imported bromides will equal makers' prices, as the present cost laid down in New York averages about 23c lb. Domestic goods are unchanged at 33c lb. for ammonium, 26c lb. for potassium, and 25c lb. for U.S.P. sodium.

Camphor—Firm at 87c@89c lb. for spot Japanese 2 1/2 lb. slabs. American makers quoting 96c lb. spot for barrels. It is reported that live competition can be expected from synthetic camphor made from iron ore in Germany.

Cod Liver Oil—Spot market is holding firm on higher cables and also on better demand here. Norwegian quoted at \$23.00@\$24.25 bbl. spot. The entire output at Lofoten for 1923 is 17,000,000 cod, 35,291 hecto. steam refined oil, and 7,345 hecto. livers for crude oil, as compared with 12,900,000 cod, 27,692 hecto. steam refined oil, and 3,230 hecto. livers for crude oil for 1922. Spot position strong due to considerable oil being used industrially.

Cream Tartar—Imported has advanced and now quoted at 26c lb. spot, while domestic is quoted at 26 1/2 c lb. spot. Supplies scarce and demand good. During past week 156 bags of "crude tartar" were received at New York.

Formaldehyde—U.S.P. in barrels has eased off and now quoted at 15c lb. works with tendency to hold at this price owing to light supplies of distressed stuff.

Glycerin—C.P. unchanged at 17c@17 1/2 c lb. spot in drums with some supplies being disposed of on contract at slightly shaded prices. Dynamite quoted at 16 1/2 c lb. spot with some sales being made at 16c lb. Demand is light with possibility of easier prices in near future.

Menthol—For the past two weeks reports received from Japan have been decidedly bullish, in spite of the recent heavy importations. Trade is looking for easier market here, although spot goods are unchanged at \$7.75 lb.

Mercury—Has declined and now quoted at \$67.00@\$67.50 flask with possibility of doing better if firm offer is made. Large importations were again received at New York during past week. Some talk of firming up in New York shortly.

Potassium Permanganate—Has declined and now quoted at 20c@21c lb. spot. During past week 300 cases were received at New York.

Quinine Sulfate—Java unchanged at 50c lb. with demand light. Exports from Dutch East Indies for 1922 were 124,589 kilos, as compared with 281,758 kilos in 1921 and 310,351 kilos in 1920.

Resorcin—U.S.P. has advanced and now quoted at \$2.25lb. spot.

Salicylates—Last Friday, a leading manufacturer cut all salicylate prices ten cents to 40c for U.S.P. acid in reply to constant underselling on the part of another factor who has been naming 45c right along for some time. The cut was followed by another maker Saturday. Two other manufacturers, one of whom is reported not producing salicylic at this time, have not as yet followed the reduction, and state that they will not. The cut was purely a declaration of war, and directly opposed to the present statistical position of salicylates. With phenol at 55c, 40c for U.S.P. salicylic acid is ridiculously low, particularly in view of the fact that all salicylate supplies are short. The price is 40c, but just how much can be actually bought at this level is a question. Two well-known distributors followed the price cut on Saturday. The present schedule follows: acid, U.S.P., 40c@50clb.; sodium, 47c@57clb.. salol, 85c@90clb; methyl salicylate remained unchanged at 57c@62c lb. as to seller.

WARNER & CO. CITED FOR PRICE PLAN
(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 16.—The Federal Trade Commission has issued a formal complaint against Wm. R. Warner & Company, Inc., of New York City, a firm engaged in manufacturing patent medicines, pharmaceuticals and drug specialties, and selling such products to jobbers, wholesalers and retailers. Its factories are located in New York City and St. Louis, Mo. The complaint alleges unfair competition contrary to the Federal Trade Commission Act, and price discrimination contrary to the Clayton Act. The Warner Company's policy of discriminating in prices between its preferred and non-preferred customers is challenged in the complaint. The price discrimination presented in the Warner case is different from that presented in the Mennen case, where the discrimination was in favor of wholesalers as against retailers purchasing co-operatively. In the Warner case the discrimination is in favor of a preferred class as against a non-preferred class, the preferred class including both wholesalers and retailers and the non-preferred class also including both wholesalers and retailers.

CANADA'S CHEMICAL TRADE INCREASES
(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, May 16.—Value of chemical products imported by Canada during the year ended March 30 was \$25,793,101, against \$24,630,333 for the previous year, the items being as follows: Drugs and medicines, \$2,354,606; dyeing and tanning materials, \$4,054,130; fertilizers, \$2,051,975; paints and varnish, \$3,550,455; potassium compounds, \$499,534; soap, \$1,280,654; and sodium compounds \$2,851,118.

Chemical products exported from Canada show a large increase, the total value being \$14,046,940, compared with \$9,506,170, including the following items: Acids, \$600,937; calcium carbide, \$2,358,160; drugs and medicines, \$420,362; fertilizers (total) \$3,899,896; ammonium sulfate \$654,889; cyanamid \$2,903,659; paints and varnishes, \$469,742; wood alcohol, \$78,219. The export of wood alcohol has greatly decreased, the figures for the fiscal year ended March, 1922, being \$210,734, and for the year previous \$784,228.

The government of the Province of Ontario has granted \$10,000 to Dr. F. G. Banting, discoverer of the insulin process for the treatment of diabetes, to enable him to prosecute further researches.

SALICYLATE PRODUCTION AND PRICES

(Continued from page 1230)

this time, there existed a certain relation between the price of carbolic acid and that of salicylic acid. The latter as a rule was about 15c per pound higher than the former.

The war years, 1914 to 1918, witnessed a rapid increase in the price of salicylic acid, owing to the scarcity and high cost of phenol, which, at one time, sold at \$2.00 per pound and caused salicylic acid to advance to \$2.25. This was the highest price made at any time by the manufacturers, but owing to the prevailing scarcity, the goods in the hands of merchants and speculators sold at much higher figures. The lowest price ever made in this country by manufacturers of salicylic acid occurred during 1921 and 1922, when the product sold at 18c per pound. The new tariff which went into effect in the year 1922, provided a high rate of duty for carbolic acid, in consequence of which the price of this material experienced a sharp advance and salicylic acid had to follow, the duty on salicylic acid also having been increased by the new tariff. The proportionate difference between the price of carbolic acid and salicylic acid is about the same as it was on the average during the last twenty years, which shows that the product is not a speculative one, that the manufacturers of it are satisfied with a moderate, sometimes even a very low margin of profit, and that the increased consumption is taken care of by increased production so that the law of supply and demand does not influence the price to any abnormal extent.

When salicylic acid was first introduced, the medical profession was skeptical as to its use. Being a carbolic acid derivative it was believed to be dangerous to health. It was prohibited on this assumption as a preservative, in spite of the fact that it is the most useful and efficient agent known to preserve food products. Irrespective of this, however, the use of salicylic acid has continued to grow from year to year. The medical profession has realized, in the course of years, that salicylic acid in the quantities which are usually taken for medicinal purposes is less injurious than most other antipyretics and that its good qualities by far outbalance any possible deleterious by-effects it may produce. Salicylic acid and its derivatives are today counted among the most important medicinal products and the use of salicylates is larger than it has been at any time since the discovery.

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Provisions of the Volstead Act which limit the amount of liquor which a physician may prescribe for a patient to one pint in ten days are held void and unconstitutional by Judge J. C. Knox, United States District Court, Southern District of New York. The suit was brought by Dr. S. W. Lambert, Dean Emeritus of the College of Physicians and Surgeons of Columbia University, on behalf of that part of the medical profession which regards alcohol as a valuable therapeutic agent. Appeal will be taken to the U. S. Supreme Court.

The largest double-shell type of dryer in the world was shipped from York, Pa., March 29, to the Tennessee Eastman Co. of Kingsport, Tenn., and will be used in the manufacture of alcohol. The dryer was constructed by the Steary Schmidt Mfg. Co. for the Ruggles-Cole Engineering Co. It is 85 feet long, eight feet eight inches in diameter and weighs 75 tons. Five railroad freight cars were required to carry the complete shipment.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1267

SPOT BUCHU LEAVES ADVANCE SHARPLY

Jump from 89c to \$1.00 Pound Inside for Bales—Ergot Position Uncertain Abroad—Dept. of Agriculture Warns Against Invoicing 100% Insect Powder—Spot Rhubarb Below Replacement

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Balsams, Fir Oregon, 25c lb.	Sarsaparilla, Honduras, 5c lb.
Buchu Leaves, 11c lb.	Soap Bark, Crushed, 1c lb.
Opium, Gum, U.S.P., 25c lb.	Wormseed, Levant, 25c lb.
Declined	
Aniseed, Star, 3/4c lb.	Quince Seed, 10c lb.
Chamomile Flowers, Hung., 3/4c lb.	Saffron Flowers, Am., 5c lb.
Insect Flrs., Powd., 100%, 3c lb.	Senega Root, 1c lb.
Tragacanth Gum, No. 1, 5c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$35	\$35	\$35	\$22	\$90	\$12
Buchu Leaves, Short	1.00	.89	.87	.85	4.00	.85
Cantharides, Russian	1.75	1.75	1.75	5.00	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/2	.03 1/2	.04 1/2	.85	.03
Ergot, Spanish	.52	.52	.52	1.00	4.50	.54
Insect Powder, pure	.67	.70	.70	.53	1.00	.28
Ipecac, Cartagena, powd.	1.95	1.95	1.95	1.90	4.50	1.85
Nux Vomica	.06 1/2	.06 1/2	.06 1/2	.06	.14 1/2	.07
Opium, gum	7.00	6.75	6.75	6.00	30.00	5.00
Rhubarb Root, H. D.	.37	.37	.37	.65	1.75	.15
Tragacanth, No. 1, ribbon	1.85	1.60	1.60	2.00	6.00	1.80
Wild Cherry Bk., than nat.	.09	.09	.09	.09	.21	.07
Average	1.35	1.33	1.33	1.53	5.28	1.00

Nothing outside of small jobbing lots were called for in the way of crude drugs during the past week. The replacement costs on a number of items still remain higher than spot prices, and until there is a reversal of conditions, the market is apt to present a more or less top heavy position. Scarcities in various items appear to be spreading, and are the only stimuli which drive prices up at this time. The chief difficulty with the current drug market is the same as has been noted for the few weeks past, the steadfast refusal of the big consuming interests to cover for future requirements. Of course the prominence of the active items tends to make them stand out and overshadow the weaker elements. Price movements have been variable, no definite unified tendency being noted throughout the market generally.

Agar Agar—No. 1 is in better supply and now quoted at \$1.50lb. spot. No. 3 still quoted at \$1.25lb. spot. Small shipment was entered at New York last week.

Aloes—It is said that very little Barbadoes is changing hands. Quoted at 65c@70c lb. spot. Cape is scarce and quoted firm at 12c@14c lb. spot.

Annatto Seed—Unchanged at 11 1/2c@12c lb. spot. Last week saw 394 bags entered at New York.

Balsams—Fir Canadian scarce and firm at \$13.00@ \$14.00 gal. spot with possibility of higher prices. Fir Oregon has advanced and now quoted at \$4.00@ \$4.25 gal. spot. Tolu firm though unchanged at \$1.00@ \$1.10 lb. spot.

Buchu Leaves—Have advanced and now quoted at \$1.00@ \$1.10lb. spot in bales owing to absorption of stocks held by weak hands and also to foreign position at Cape Town. Spot costs said to be 90c lb. This item is one of the many crude drugs that has been selling on spot considerably below replacement costs.

Caraway Seed—Dutch spot unchanged at 31c@32c lb. with arrivals being quoted higher.

Cardamom Seed—All grades firm. Bleached quoted at \$1.20@ \$1.75lb. spot as to quality. Decorticated at \$1.15@ \$1.25lb. spot.

Cascara Sagrada—Quoted at 15c lb. spot for 1921 peel, and 14c lb. for 1922 peel. Some large sales were reported last week. Labor situation on Coast still gives trouble.

Chamomile Flowers—Spot stocks are heavy. Eased off and now quoted at 15c lb. for Hungarian. Roman unchanged at \$1.20@ \$1.25lb. spot.

Cloves—Zanzibar quoted at 26 1/4c@26 1/2c lb. spot. The trade appears to be at odds as to amount of spot stocks.

Cubeb Berries—XX unchanged at 82 1/2c@85c lb. spot with tendency to firmer market.

Dandelion Root—Holding firm owing to fair demand at 14c@16c lb. spot.

Ergot—Market dull on spot at 52c@55c lb. with foreign position still uncertain.

Gentian Root—Firm at 9c lb. spot with some directions doing 8 1/2c lb. in a small way.

Ginger—While sales are not large the total number of parcels disposed of make a showing in the spot stocks. African at 15c@16c lb. spot. Jamaica at 37c@44c lb. spot as to quality and size of root.

Insect Powder—Has declined and now quoted at 67c@70c lb. spot for pure powdered goods. It is reported in the trade that one miller has been notified by the Department of Agriculture not to invoice goods as "100 per cent pure," but as "commercial pure," even though the goods are identical in each instance. Ruling has been protested by the house.

Japan Wax—While spot offerings are made at 15c@16c lb., the replacement costs are said to be 15 1/4c lb. laid down here in New York. The exports from Japan during January, 1923, were 1,852 piculs, valued at 81,898 yen, as compared with 1,906 piculs, valued at 76,101 yen, in 1922.

Lycopodium—Spot stocks are being depleted, causing a stiffening of prices. Unchanged though firm at 44c@46c lb. spot.

Mandrake Root—Inquiries have eased off during past week, but market remains firm at 16c@19c lb. spot.

Quince Seed—Easier at \$1.05@ \$1.20lb. spot as to seller. It is reported that most all importations are off color, and that good color seed is hard to find.

Rhubarb—While spot market is quoted at 37c@39c lb. spot as to quality, the replacement costs are said to be 38c lb. laid down in New York. When spot goods move on, it is believed that firmer prices will prevail.

Saffron Flowers—American has declined and now quoted at \$1.15@ \$1.20lb. spot with possibility of shading these figures.

Sarsaparilla Root—Honduras has advanced and now quoted at 60c@65c lb. spot owing to scarcity here and also at primary market. Recent arrival at London of 37 bales of grey root from Jamaica was reported, and is being quoted at 4s to 4s 3d per lb. Mexican firm at 30c@31c lb. spot.

Senega Root—Has declined and now quoted at 67c lb. spot.

Shellac—All grades have again declined and T.N. now quoted at 66c lb. spot.

Vanilla Beans—Mexicans unchanged at \$8.50@\$11.06 lb. spot. Small stocks of the first dried beans are beginning to come into the market, and it is said that most of these have been sold against arrival. During the past week 19 cases were received at New York. Cuts quoted at \$6.50@\$7.00lb. spot. Bourbons are in better supply at \$4.50@\$5.00lb. spot. During past week 457 cases were entered at New York. Practically no Tahiti beans are to be found in this market or in London.

FRENCH CRUDE DRUG PRICES ARE WEAK
(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, France, May 5.—Crude drug prices are weak, and the market has little support from buyers. Quotations per 100 kilos are:

Francs	Francs
Agar agar .....4200	Henna 425
Aloes 300	Nutgalls 320
Benzoin 400	Mustard,
Asafetida 950@1000	Bombay 200
Camphor	Mustard, Italy 200
refined .....3000	Sabadilla M
Cardamom .....1000@1050	Sarsaparilla .....2300
Cochineal .....1300	Pimento 185
Cumin 600	Citric acid ....1350@1375
Opium, 8@9% M	Tartaric acid .. 900@ 925
Cumin, Bombay 600	Egg albumen ..2550@2600
Fennel 350@ 400	Anise, star ... 425
Gambier 190@ 200	Anise, Spain .. 800
Foenugreek ... 140	Alum 85@ 90

WHOLE VANILLA \$5.25lb. AT VERA CRUZ
(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, May 5.—An American buyer is paying \$5.25 per pound for cured whole vanilla beans, f.o.b. Vera Cruz. H. E. Triest, of H. Triest Co., Inc., New York, has just returned from the Vera Cruz vanilla districts, buying for his firm. He is making arrangements for the exportation of jalap and sarsaparilla.

China Mail steamer Nanking has been seized at San Francisco by the United States Government in satisfaction of creditors' claims of about \$30,000, and the crew has been sent back to China. Various narcotic shipments seized on the steamer during the year have made the operating company liable for approximately \$500,000 in accrued fines. The fines levied against the vessel are unpaid, pending an appeal to Secretary of the Treasury Mellon at Washington.

John Clarke was elected president of American Spice Trade Association at the annual meeting at the Pennsylvania Hotel, New York, May 9; J. B. Elliman, secretary; J. Melville Morris, treasurer. The Arbitration Committee comprises John J. McNamara, J. B. Catz, E. L. Prior, William Archibald and A. A. Sayia.

Narcotic forms, which the Treasury Department recently authorized by Treasury Decision 3460 and which were to be used for orders beginning June 1, 1923, will not be put in use until March 15, 1924, the National Wholesale Druggists Association having protested that their immediate use would cause endless confusion.

Paper read by Dr. Francis P. Morgan, of Bureau of Chemistry, at convention of United Medicine Manufacturers, Atlantic City, in April, on Federal Food and Drug Act, has been reprinted, and may be obtained from Association Headquarters, Bliss Building, Washington, D. C.

BUSINESS GOOD, SAY MANUFACTURERS

More Flourishing Than at Any Time in a Decade—Conditions in Chemicals and Drugs

American industry is said to be "more flourishing than at any time in the last decade," in the annual industrial survey of the National Association of Manufacturers, read at the annual meeting in New York, this week. Including a tabulation of 42,000 answers covering all the basic industries, the report shows a 40 per cent increase in production over last year, with consumption keeping apace or ahead of production, and a stand by the manufacturers "to prevent any unreasonable increase in consumers' prices," despite steady increases in the cost of labor, with the demand for labor becoming acute.

Concerning drugs, chemicals, oils and paints the report says: Ninety-five per cent of the answers report trade excellent to fair and fall prospects excellent to fair. Ninety-four per cent report business as better than last year and stocks on hand are normal or low in 88 per cent. Employment has increased in 93 per cent of the factories, while there is a labor shortage felt by 66 per cent. Wages have been increased in 75 per cent of the cases, while almost the same percentage report a production increase of about 37 per cent. Sales quantities have increased about 20 per cent in 70 per cent of the reporting factories, while their values have increased on the average of 14 per cent. No strikes reported.

PLAN BETTER CHEMICAL EXPOSITION

Managers of the Chemical Exposition, which will be held Sept. 17 to 22, have sent a questionnaire to exhibitors asking what industries they desire to reach and the type of visitors most desired. The Advisory Committee now includes the following members from the sales and production departments of the chemical and chemical equipment manufacturers: John W. Boyer of the Mathieson Alkali Works; Dr. Charles L. Reese of E. I. Du Pont de Nemours & Co.; Percy D. Schenk of the Duriron Co.; Milton Kutz of the Roessler & Hasslacher Chemical Co.; W. E. Moore of the New Jersey Zinc Co.; T. C. Oliver of the Chemical Construction Co.; R. Gordon Walker of the Oliver Continuous Filter Co.; Williams Haynes of DRUG & CHEMICAL MARKETS; H. J. Schnell of the "Oil Paint & Drug Reporter."

The Illinois Section of the American Chemical Society was addressed, on May 4, at a meeting at Urbana, Ill., by Prof. W. A. Noyes, E. C. Franklin, president of the society, and Dr. L. F. Nickell, Monsanto Chemical Works, who spoke on present needs of the organic chemical industry.

C. H. Waterbury, secretary of the National Wholesale Druggists Association, read a paper on "Economics of Wholesaling" before the New York Branch of the American Pharmaceutical Association Monday evening, May 14, at the N. Y. College of Pharmacy.

Recent imports at San Francisco included the following: On the lines Toba Maru, from Dairen, to order 667 bags hemp seed; from Kobe, to order 1 drum camphor oil and 1 package powdered graphite.

A. V. H. Mory has been elected president of Chicago Chemists' Club; A. E. Shaar, first vice president; H. G. Walker, second vice president; R. C. Shuey, secretary, and O. H. Wurster, treasurer.

Annual meeting of Proprietary Association will be held in New York City, May 22 and 23.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1269; Aromatic Chemicals, page 1270

SCARCITY OF GOOD GRADE OIL CASSIA

Rumor of Imports of Synthetic Oil—Citronella at 69c For Arrival in a Week—Lemon Firmer on Spot—Peppermint Easier—Natural Sassafras Scarce—Business Slow During Past Week

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Oil Cassia, Redistilled, 25c lb.
Oil Lemon, Italian, 3c lb.
Oil Limes, Distilled, 5c lb.

Declined
No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.50	\$2.50	\$2.50	\$4.50	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.70	.70	.71	.53	.92	.60
Oil Cloves	1.70	1.75	1.75	2.00	3.70	1.40
Oil Lemon .....	.75	.75	.70	.75	1.70	2.00
Oil Peppermint, Nat.....	2.65	2.80	2.75	1.85	9.00	2.25
Oil Sandalwood, E. I.....	7.85	7.85	7.85	7.10	13.00	5.25
Oil Sassafras, Artif.....	.45	.42	.43	.45	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.50	3.00	31.00	3.10
Methyl Salicylate, Cans...	.57	.57	.62	.35	1.00	.90
Vanillin .....	.40	.40	.40	.50	.95	.29
Average	2.13	2.14	2.14	2.09	6.83	2.05

Business in the essential oil trade has been restricted during the past week. While some houses indicate that dullness has been the overshadowing feature, a leading dealer states that he has recently filled several large orders. The policy of purchasers still continues conservative, although buying appears to fluctuate daily. A few price changes are all of which the market could boast. The group values as a whole are quite stable with the moving element confined to few items. The high prices asked for some oils have brought on the market inferior substitutes.

Essential Oils

Oil Almond—Bitter unchanged at \$3.75lb for U.S.P. and \$3.75lb for sans prussic acid.

Oil Anise—Indications point to a slightly firmer position of the technical oil here although prices are unchanged at 45c@50clb spot. U.S.P. holding at 52½c@55clb spot. During the past week 160 cases were received at New York.

Oil Bay—Firm and unchanged at \$2.50@2.60lb spot.

Oil Bergamot—Coppers unchanged at \$2.50@2.65lb spot. Demand quiet and confined to routine business. Last week saw 128 cases imported at New York.

Oil Bois de Rose—While spot goods are quoted at \$2.50@2.65lb, the trade is looking for firmer prices owing to scarcity on spot as well as higher shipment from abroad.

Oil Camphor—Spot stocks unchanged at 13½c@15clb for cases. During past week 300 cases were imported at New York. Heavy quoted at 11½c@12clb spot in drums.

Oil Caraway—The recent steady advance has momentarily been stopped. Quoted at \$7.00@7.50lb spot, although still scarce.

Oil Cardamom—Unchanged at \$20.00@22.00lb. spot.

Oil Cassia—Spot technical oil 75-80 per cent quoted at \$2.05@2.20lb with tendency to be firm. Redistilled has advanced and now quoted at \$2.75@2.85lb spot owing to scarcity of good quality goods. It is said in the trade that large quantities of synthetic oil have been imported into this country, and that the Government is making an investigation to substantiate this claim.

Oil Cedar Leaf—Firm but unchanged at \$1.00@1.10 lb. spot.

Oil Citronella—Spot position is fairly easy at 70clb. for Ceylon with some directions asking 71clb. as inside figure. Arrival in about a week quoted at 69clb. Easier figure abroad is said to be cause of softer spot market. Java spot goods quoted firm at 85c@87½clb. During past week 30 drums of Java were received at New York.

Oil Cloves—U.S.P. quoted at \$1.70@1.80lb. spot with some dealers asking \$1.75lb. as inside.

Oil Eucalyptus—Unchanged at 47½c@50clb. for spot cases and 45½clb. for drums.

Oil Geranium—Bourbon firm at \$6.50lb. with some possibility of higher prices owing to strength in primary market. African unchanged at \$8.00@8.50lb. spot.

Oil Lemon—Italian has advanced and now quoted at 75c@90clb. spot as to seller. During the past week 105 cases were imported at New York. For the past few weeks importations have been light, thereby causing a firming up of the spot position. American unchanged at 80c@85clb. spot.

Oil Orange—Bitter quoted at \$2.50@2.60lb. spot. West Indian quiet at \$2.60@2.70lb. spot. Last week saw 70 cases imported at New York. Consumption has been slow of late.

Oil Peppermint—Spot position easier in spite of firm prices quoted in country. Growers are asking \$2.55lb. c.i.f. Firmer quotations on spot would not be unexpected. Quoted at \$2.65@2.75lb. spot.

Oil Sandalwood—Firm and unchanged at \$7.85lb. spot.

Oil Sassafras—Natural U.S.P. is scarce and best inside price is quoted at \$1.00@1.10 with some directions asking \$1.10lb. as minimum.

Oil Wormseed—The trade seems to agree that the peak has not been reached as yet, although no change in spot has occurred in last two weeks. Still quoted at \$6.50@7.00lb. spot. It is reported that there is a three cornered deal operating in the oil.

Oil Wormwood—Firm but unchanged at \$6.50@7.00 lb. spot.

Aromatic Chemicals

Benzaldehyde—U.S.P. unchanged at \$1.50@1.60lb. spot with some directions asking \$1.60lb. as inside. Reports are current that some supposed FFC quality contains free chlorine. FFC quoted at \$1.75@1.85lb. spot.

Coumarin—Makers still quote \$4.50lb. spot. Production at present is equal to demand. Some outside hands offering small lots at \$4.40lb. spot.

Methyl Salicylate—Cases still quoted at 57c@60clb. spot in spite of recent general cut in salicylates. Competition keen.

ESSENTIAL OILS QUIET AT MARSEILLES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, May 5.—Essential oil market is quiet.

Prices per kilo are:	Francs
Rosewood	76@ 77
Aniseed, Tonka	15.50
Citronella, Java	33
Citronella, Ceylon	24@ 28
Geranium, Bourbon	200@210
Clove	48
Palmarosa	M
Patchouli	190@220
Petit Grain	50@ 52
Ginger Grass	M
Vervain	30
Vetivert, Bourbon	150
Ylang Ylang Bourbon, 1st quality	110@120
Ylang Ylang, Bourbon, 2nd quality	55@ 60
Linaloe, Mexico	M
Niaouli Noumea	18
Santal, Mysore	M
Cananga, Java	66
Cajeput Tonkin	17

\$200,000 NEEDED FOR RESEARCH WORK

The National Research Council has called upon industries which are interested in the publication of the "International Critical Tables of Numerical Data of Physics, Chemistry and Technology" to underwrite the project. The cost is estimated at \$200,000, and only \$75,000 has been subscribed. The Board of Trustees includes: George P. Adamson, director of research, General Chemical Co., chairman; William M. Corse, National Research Council, secretary; Harrison E. Howe, editor, "Journal of Industrial and Engineering Chemistry;" Edward P. Hyde, National Lamp Works; Hugh K. Moore, The Brown Co.; Charles L. Reese, E. I. du Pont de Nemours & Co.; Julius Stieglitz, University of Chicago.

Industrial material will be supplied on more than forty products, including woods, rubber and artificial plastics, carbon for electrical purposes, mica, asphalts, bitumens, tars, pitches, mineral waxes, and creosotes, lubricants, animal and vegetable oils, fats, and waxes, including hydrogenated oils but excluding essential oils and processed oils, essential oils, natural and artificial resins, gums, and balsams, odoriferous materials, explosives, tannins, dyes, pigments and coloring materials, sweetening agents, paints, varnishes, airplane dopes, and raw materials, and nitrating acids.

Appeal from a decision of the Federal Circuit Court of Appeals to the effect that repacking and rebottling perfumes of manufacturers injures the trade marks, and violates state laws, has been dismissed by the U. S. Supreme Court, the petition for an order to suspend the Circuit Court ruling being denied. The Circuit Court decision says the use of the complainants' trade marks can be prevented by injunction. Suits were brought by Coty and by Houbigant, Paris perfume manufacturers.

Bureau of Chemistry has ruled that soap manufacturers must submit for approval the formula under which technical cassia oil is used in scenting soap.

P. R. Dryer, essential oil dealer, New York, is on a six weeks' trip through the middle west and south. He reports that business is fully up to normal.

The Standard Soap Co., Emeryville, Cal., has increased its capital from \$500,000 to \$1,000,000, for expansion in its plant.

OIL WORMSEED PRICES MAY RISE TO \$13, ACCORDING TO OPINIONS IN THE TRADE

Rose From \$2.40 lb. Last October to \$6.50 and \$7.00 Spot Last Week—Country Asks \$6.00 to \$7.00 F.O.B.—Spot Stocks Scarce—Country Prices Reported Excessive and Inviting Substitutes

While the current market of oil wormseed is \$6.50 pound spot, it will not be surprising if the price reaches \$13.00 pound before the new crop is harvested during the late summer. As far back as October 1922, when it was selling on spot for \$2.40 pound, there were rumors in the trade that the oil would be "a good buy." The scarcity of the oil now cannot be laid to a short crop, as last year's harvest was fully up to normal. Last fall, large quantities were purchased by a single consumer, who has a large outlet in several foreign countries as well as in the United States. In the due course of time, supplies commenced to tighten up, until inquiries from one dealer to another revealed available spot stocks were shrinking rapidly. The natural result of this condition was to make the price climb steadily at first, but later at a rapid rate.

When the market had reached \$4.80 per pound, or double the price in October, small lots were unloaded by those dealers who thought that the peak had been reached. As these small lots appeared on the market, strong factors bought them in with the expectation that still higher prices would eventually prevail. This assumption held good, for large inquiries were received in the trade, and supplies were available to fill only 40 per cent of the demand. The result was further price increases. When information of the spot position of the oil reached the country, prices f.o.b. advanced from \$3.50 pound to \$6.00 pound and some were holding for \$7.00 pound inside. This price appears to be excessive when the first cost of the oil in the country is said to be less than \$2.00 pound. If the spot market advances to a point where it will be profitable to use substitutes for oil wormseed, the trade believes the price will break regardless of how scarce the oil is on spot or in the country.

CHAMBER FAVORS TRADE ASSOCIATIONS

Approval of the existence of properly functioning trade associations for each important branch of industry and commerce in the country was voted by business organizations affiliated with the Chamber of Commerce of the United States in a preliminary referendum canvass.

The propositions voted on were taken from the report of the special committee created by action of the Board of Directors of the National Chamber in 1922 to "make a general survey of trade associations, consider activities of trade associations which are in the interest of the public and of the fields of enterprise which are represented."

The committee expressed itself as of the opinion "that, while a minority of trade associations may have engaged in practices which have laid them open to complaint under the law with respect to restraints of trade, the vast majority have proved their great value for the advancement, day by day, of the processes of production and distribution."

Board of U. S. General Appraisers holds that non-alcoholic perfumery known as Essence de Rose Egypt, is dutiable at 20 per cent under Paragraph 49, and not at 60 per cent under Paragraph 38, Act of 1913.

The Consuming Industries

The Western Glass Co., 531 N. Market st., Wichita, Kan., plans building a \$35,000 addition to its plant.

A new rubber glove plant has been opened at Akron, O., by the Miller Rubber Co., producers of automobile tires.

The Black Silk Stove Polish Co., Sterling, Ill., is taking bids on a new 3-story plant, to cost around \$80,000.

Ott Rubber Co., Dubuque, Ia., will build a plant to cost \$80,000, including power house. J. L. Ott is president.

The Musgrove Mills, Gaffney, S. C., recently added 5,000 spindles to its mill, increasing the capacity 25 per cent.

The Hooper Paper Co., Taylorville, Ill., recently organized, will construct a new mill, to cost approximately \$75,000.

The Savage Tire Co., San Diego, Cal., is installing additional equipment at its plant to provide for increased production.

Wyatt Rubber & Chemical Co., Baltimore, manufacturer of rubber cements, will install new equipment. Charles M. Wyatt is president.

A new paper mill will be built at Madison, Iowa, by the Hinde & Dauch Paper Co., Sandusky, O. Paper-board products will be manufactured.

The Garrett-Buchanan Co., 18 South 6th st., Philadelphia, is erecting a \$55,000 plant addition in order to provide increased production facilities.

The Chicago Fibre Box Co., recently organized, has taken a long term lease on space at 833 Rees st., Chicago, and will establish a plant at once.

The Roubaix Mills, Inc., Clinton, Mass., has awarded contracts for the construction of its new dyeing and finishing plant. The foundation has been laid.

Virginia-Carolina Chemical Co., Richmond, Va., will extend its plant at Staunton, Va., for the production of fertilizers. The improvements will cost \$30,000.

The Hellwig Silk Dyeing Co., Philadelphia, has purchased property near its works and will build plant additions in the near future. The ground cost \$75,000.

Whitall-Tatum Co., South Millville, N. J., manufacturer of druggists' glassware, vials, will rebuild structures recently destroyed by fire, including four furnace buildings, estimated to cost \$400,000, with machinery.

The Silverstone Stucco & Plaster Products Co., 220 Indiana Pythian Bldg., Indianapolis, recently organized, is preparing for the erection of a one story plant for the manufacture of stucco and plaster products. John R. Briggs heads the concern.

The Dunlop Tire & Rubber Co., River Road, Buffalo, N. Y., will be producing at its new local plant at an early date. About \$750,000 has been appropriated for the installation of necessary machinery. The output will be developed to 2,500 tires per day.

The International Paper Co., with offices in New York, has increased production at its various mills and has granted a seven per cent. wage increase to its skilled operatives. The plants are now producing about 1,900 tons of newsprint per day, an annual rate of 580,000 tons. Last year 422,809 tons of material were manufactured.

New Consuming Companies

Demattia Industrial Alcohol, Manhattan, \$25,000. M. Demattia, R. M. Walters, G. H. Phillips. Attorney, H. Lee, 36 West 44th street, New York.

Delight Manufacturing Co., \$150,000. Toilet articles. F. P. Reed, James Christianson, Winifred E. Skinner, San Francisco. U. S. Corporation Co.

Walton Industrial Alcohol Co., Manhattan, \$15,300. L. Kemelhor, W. A. Holman, N. Adler. Attorney, S. Plumer, & Beekman street, New York.

Famous Candy Mfg. Co., \$50,000. Tony Orazio, John Leggieri, Pittsburgh. James J. Marshall, Mt. Washington. Capital Trust Co. of Delaware.

Graham Securities Corp., Dover, Del., \$2,500,000. Drugs. Layd I. Volkening, Brooklyn, Leroy L. Salfisberg, Newark, N. J., James J. Burke, Summit, N. J. Attorney, David J. Reinhardt, Wilmington.

Newtown By-Products Mfg. Co., Inc., Brooklyn, \$100,000. Manufacturing edible oils, slaughterhouse products, cotton seed. E. P. Arnold, 2486 Davidson street, New York.

Re-All Fruit Beverages Co., Inc., 160 Governor street, Paterson, N. J., \$125,000. Mineral waters.

Home Ice & Cold Storage Co. of Reading, Pa., Inc., Dover, Del., \$250,000. Cold storage warehouse.

Essen Perfumery Co., Inc., Wilmington, Del., \$100,000. Manufacturing of toilet preparations.

Novotone Products, Brooklyn, \$30,000. Dyes and dyestuffs. L. and S. Ornstein, N. Schwartz. Attorney, J. H. Garmesey, 51 Chambers st., New York.

Pure Ice Co. of New Jersey, Jersey City, N. J., \$200,000. Manufacturing. Chas. V. Daniels, Woodbridge, Frank J. Ramsden, Elmer, J. Bonnell, Jersey City.

National Vitreous Stain Corp., Dover, Del., \$5,000,000. Manufacturing glass and inks. M. E. Leach, Wm. Zaiser, Chas. W. Leffer, New York.

Tirico Pharmacal Co., 62 Belmont ave., Belleville, N. J., \$100,000.

Modern Dye and Chemical Co., 212 Union st., Providence, R. I. To manufacture dyes, dyestuffs and chemicals.

Braender Rubber and Tire Co., Wallington, N. J., \$265,000. Manufacturing rubber products. Davis Z. Jeselsohn, Regina E. Donahue, Newark, Benjamin F. Teitelbaum, Jersey City.

Kitchen Bouquet, Wilmington, Del., \$500,000. Flavoring extracts. Corporation Trust Co. of America.

Baer Products Co., Dover, Del., \$150,000. Drugs, medicines. Wm. A. Baer, Reading, Pa.; Irvin G. Becker, Shoemakersville, Pa.; Geo. A. Dreierheis, Virginsville, Pa. Corporation Service Co.

American Cactus Rubber Products Co., Dover, Del., \$500,000. M. M. Lucey, M. B. Reese, L. C. Browne. Colonial Charter Co.

Ashland Tire & Rubber Co., Ashland, O., \$300,000. To manufacture rubber products. C. D. Darrah, S. H. Grabill, G. E. Brown, J. E. Mayner, R. W. Topping.

Equitable Rubber Products Corp., Wilmington, Del., \$2,000,000. To manufacture rubber products. M. L. Rogers, L. A. Irwin, W. C. Singer. Delaware Registration Trust Co.

Indiana Rubber Products Corp., Dover, Del., \$100,000. To manufacture and deal in rubber, gutta percha and all goods of which they are component parts. C. H. McDermott, F. E. Teachout, R. S. Cheney. Capital Trust Co. of Delaware.

Metropolitan Mileage Corp., New York, \$500,000. To manufacture automobile tires. R. Edelstein, 40 West 45th street, H. C. Neuwirth, N. Spivack.

Northern Rubber Co., Akron, O., \$250,000. To manufacture rubber products. L. W. Schott, R. W. Kent, A. I. Wheeler, P. A. Kuhn.

Pope Tire & Battery Co., Statesville, N. C., \$100,000. To manufacture automobile tires, tubes and batteries. W. L. Pope, J. L. Stevenson, L. O. Gibson, J. L. Mitholland, C. Stimpson, C. H. Turner, C. C. Tharpe, D. L. Raymer.

Tire Carbon Co., Wilmington, Del., \$210,000. To manufacture and deal in carbon and other compounds used in the manufacture of rubber tires and tubes. T. L. Croteau, M. A. Bruce, A. M. Hooven. Corporation Trust Co. of America.

Norris Fertilizer Co., Wilmington, Del., \$40,000. Manufacture fertilizers. Corporation Service Co.

Greiss-Pfleger Tanning Co., Peabody, Mass., \$100,000. Tanning. Justin W. Griess, Ross Bridge, Albert M. Lyon.

General Glass, Wilmington, Del., \$1,000,000. Manufacture. Colonial Charter Co.

Interalia Corp., New York, \$100,000. To manufacture wood pulp and paper. U. S. Corporation Co.

The Foreign Markets

Imports of Drugs and Chemicals, page 1271

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.618
France (franc).....	.193	.066
Italy (lira).....	.193	.048
Germany (mark) per hundred.....	23.80	.002
Czechoslovakia (crown) per hundred.....	20.30	.029
Poland (mark) per hundred.....	23.80	.002
Japan (yen).....	.499	.491
Spain (peseta).....	.193	.152
Holland (guilder).....	.402	.390
Belgium (franc).....	.198	.057
Switzerland (franc).....	.193	.179
Sweden (crown).....	.268	.265
Denmark (crown).....	.268	.187
Argentina (peso).....	.424	.359
Brazil (milreis).....	.279	.105
China (Silver dollar—Hongkong).....	.789	.546
(Tael—Shanghai, silver).....	1.082	.740
(Tael—Peking, silver).....	1.156	.772

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

5981—Methylene alcohol which contains 25 per cent acetone and 90 degrees alcohol—France. Purchase. Quotations, c.i.f. French port. Terms: Cash.

6009—Tanning materials (extracts, oils, etc.) for treating about 2,000 pounds of skins per month—Mexico. Purchase. Quotations, c.i.f. Mexican port. Terms: Cash against documents.

6010—Tanning materials and tanning extracts—Austria. Agency. Quotations, c.i.f. Hamburg. Terms: Payments against documents.

6011—Shellac wax and carnauba wax for varnish manufacture—Germany. Purchase. Quotations, c.i.f. Bremen. Terms: Cash on delivery in U. S. currency.

6012—Caustic soda, tallow, grease, and raw materials for soap manufacturers—Italy. Agency. Quotations, c.i.f. Italian port.

6013—Residuum of big slaughterhouses for use as agricultural fertilizer—Spain. Quotations and full information desired.

6014—Chemical and pharmaceutical products—France. Agency.

6016—Chemical products, such as are used for disinfectants and cleansing purposes—Austria. Agency. Quotations, c.i.f. Hamburg or Trieste. Terms: Cash against delivery or against documents.

6017—Casein, as adhesive for industrial purposes; pure industrial acetone, as solvent for celluloid; and amyl acetate, as solvent for varnishes—Italy. Purchase and agency. Quotations, c.i.f. Genoa. Terms: Payment against documents.

6080—Drugs and chemicals—Switzerland. Purchase. Quotations, c.i.f. Marseilles or Geneva. Correspondence, French.

6081—Standard lines of drugs and chemicals, specialties, toilet preparations, stationery, paper, and sanitary supplies—Canada. Purchase and exclusive agency.

6087—Cottonseed cakes in whole cargoes or large parcels—Copenhagen, Denmark. Agency.

6097—Perfumery, and drugs—Pernambuco, Brazil. Agency. Quotations, c.i.f. Recife.

6162—Cyanides of soda and potash—Rhodesia, South Africa. Agency. Quotations, c.i.f. Portuguese East Africa.

6163—Rosin and turpentine—Mannheim, Germany. Agency. Quotations, c.i.f. Rhine port or Rotterdam. Terms: Cash upon receipt of shipment.

6164—Chemicals, pharmaceutical products, and toilet preparations—Rio de Janeiro, Brazil. Agency.

6165—Aluminum and lead, 99 per cent pure, in pigs or bars for foundry work; muriatic acid in drums; and sheet iron in all sizes and thicknesses—Sao Paulo, Brazil. Purchase. Quotations, c.i.f. Santos.

6166—Turpentine of medium and best quality, in shipments of from 50 to 100 barrels—Rotterdam, Netherlands. Purchase or agency. Quotations, c.i.f. Netherlands port. Terms: Cash against documents.

6167—Spraying materials for the various fruits grown in South Africa—Johannesburg, South Africa. Agency and purchase. Quotations, f.o.b. New York.

6168—Perfumery and toilet preparations, drugs and chemicals, fancy goods—Melbourne, Australia. Agency. Terms: Cash against documents.

OIL EUCALYPTUS HIGHER IN LONDON

Boracic Acid Lower, but Borax Unchanged—Quotations Advanced on Acetic Acid and Japanese Mint Oil—Fixed Oils Lower, Copper Sulfate Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, May 16.—Boracic acid has been reduced 5 shillings, but borax remains unchanged. Quotations have been advanced on acetic acid, Japanese mint oil, and oil of eucalyptus. Copper sulfate is easier.

Prices are lower for many fixed oils, shellac and acetone. Trading is quiet.

The Italian chemical industry on the whole is not in good condition, according to a British consular report just issued. Chemical manures and phosphates, which met with increased demand in 1921, found better sales in 1922. The dye industry is still far behind the potential output which its plants would justify. The pharmaceutical industry has felt a similar competition to that encountered by the dye industry. The citric acid industry is another one which is feeling the effects of the recent trade depression, but the distillation of perfumes and essential oils is said to be making progress.

At the request of shareholders and members of the board of management of the Suchy Works, the Austrian Government has appointed a commission to investigate the recent sale of the salicylic acid factory at Kufstein to the Schering Co., Berlin, and the giving of an option to a financial syndicate to acquire the Stadlauer Works, for two million kronen. The control of Suchy is in the hands of the German Upper Silesian Coke Works, which also controls the Schering Co. of Berlin.

Reduction of the German export duties on chemicals, glass products and certain other items of less commercial importance became effective on April 29, the Commerce Department advised by Commercial Attache Herring at Berlin. The relaxation of German export duties and restrictions was deemed necessary on account of the recent high prices and the heavy decline in orders for export.

The Upper Silesian Coke Works and Chemical Factories announce a plan to pay a dividend of 400 per cent, or instead giving the shareholders the option of taking one German Government five dollar loan bond for every twenty-five shares. The company is especially busy in the benzol and by-products line.

Rosario Nitrate Co., London, England, declared a dividend of 2s per share, tax free, for 15 months ended December last against 10 per cent for the 12 months ended September, 1921.

The Lautaro Nitrate Co., Ltd., will increase its capital from £350,000 to £4,000,000, to buy control of the entire Lastenia Nitrate Co., the largest operation of the kind in Chile.

Chile imports acetic acid from the United States, mainly, taking about 80 per cent of her requirements from this country.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats; and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls. D	.37	.38
100 lb kgs. D	.38	.39
USP 200 lb bbls. D	.38	.38
Second Hands D	.34	.35
Acetic Anhydride, 85% 480 lb dra. D	.38	.38
85% 107 lb chys. D	.38	.38
92-95% 100 lb chys. D	.41	.41
Acetone, CP 700 lb dra. c/l wks. D	.25	.25
700 lb dra. lc/l wks. D	.25 1/2	.25 1/2
350 lb dra. lc/l wks. D	.25 1/2	.25 1/2
Second Hands, spot D	.30	.30
Acetone Oils, light, bbls, wks. gal	1.00	1.00
Heavy, bbls, wks. gal	4.00	4.25
Acetophenone, CP 1 lb bot. D	1.85	1.95
Acetophenetidin, 150 lb bbls. D	.35	.36
Acetyl Chloride, 100 lb chys. D	.35	.36
ACID, 1, 2, 4, 250 lb bbls. D	.30	1.30
Acetic, 28%, 400 lb bbls. c/l		
wks. 100 lb	3.38	3.38
28%, lc/l wks. 100 lb	3.63	3.63
56%, c/l wks. 100 lb	6.75	7.00
56%, lc/l wks. 100 lb	8.38	8.38
70%, lc/l wks. 100 lb	8.83	8.83
80% coml. bbls. c/l wks. 100 lb	9.58	9.58
80% coml. lc/l wks. 100 lb	9.83	9.83
80% pure bbls. c/l wks. 100 lb	11.41	11.41
80% pure lc/l wks. 100 lb	11.60	11.60
Glacial, bbls. c/l wks. 100 lb	12.78	12.78
Glacial, lc/l wks. 100 lb	13.03	13.03
Glacial, USP chys. wks. 100 lb	13.53	13.53
Acetylaldehyde, 250 lb bbls. D	.95	1.05
Second Hands D	.95	1.00
Anthrone, ton lots dra. D	.98	.98
95-98% 100 lb dra. D	1.00	1.10
99-100% 100 lb dra. D	1.20	1.20
Benzene, tech. 100 lb bbls. D	.75	.75
Tech. ton lots bbls. D	.70	.70
USP, 100 lb bbls. D	.72	.77 1/2
Boric, crys. powd. 250 lb bbls. D	.11	.11 1/2
Keps, 100 lb D	.11 1/2	.12
Bromine's, 250 lb bbls. D	1.55	1.55
Ethyle, 60% pure 5 lb bot. D	.50	.50
Camphoric, USP VIII 1 lb bot. D	5.50	5.50
Carbolic, USP crys. see also Phenol		
110 lb tins D	.57	.57
25 lb tins D	.59	.59
5 lb tins or bot. D	.61	.62
1 lb bot. D	.66	.66
Liquid, USP, 1 lb bot. D	.65	.65

ACID, Carbolic—(Continued)

Crude, 25% 50 gal. bbls. gal	.35	.36
10% 50 gal. bbls. gal	.30	.32
Chloracetic, mono 100 lb bbls. wks. D	.30	.30
DI, 150 lb chys. wks. D	1.00	1.00
Tri, 425 lb bbls. wks. D	2.45	2.45
Chloromethylene, 1500 lb dra. wks. D	.15	.16
Chromic, USP 200 lb drums. D	.40	.40
85% Pure, 200 lb drums. D	.35	.35
Chromotropic, 300 lb bbls. D	1.25	1.25
Chrysanthemic, see Chrysanthemic		
Cinnamic, 5 lb cans. D	3.00	3.25
CITRIC, USP cryst 230 lb bbls. D	.49	.49
Powd., USP 200 lb bbls. D	.50	.50
Imported, cryst. 112 lb kgs. D	.52	.53
Single kgs. D	.53	.54
Cleaves, 250 lb bbls. D	1.05	1.10
Crotylic, 95% dark dr. resale. gal	.14	.16
97-99% straw, dra. wks. gal	.130	1.50
97-99% pale, dra. imp. gal	.130	1.50
97-99% decolor. dra. wks. gal	.130	1.50
Diethylbarbituric, 10 lb lots, 1 lb bot. D	8.50	10.50
Fernic, 75% tech. 100 lb chys. D	.12	.14
90%, 75 lb chys. incl. D	.14	.16
Gallie, USP 150 lb bbls. D	.70	.75
Gamma, 225 lb bbls, wks. D	1.80	1.90
Bbls., ton lots wks. D	1.70	1.80
Glycerophosphoric, 25% 1 lb b. D	1.65	1.70
II, 225 lb bbls. single. D	.85	.85
Bbls. ton lots wks. D	.80	.80
Hydrolic, 10% USP 5 lb bot. D	.65	.70
Hydrobromic, 48% coml. 155 lb chys. wks. D	.35	.40
48% coml. 10 chys. wks. D	.40	.40
40% USP 155 lb chys. wks. D	.45	.46
10% USP 100 lb chys. wks. D	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. D	.09	.11
HYDROFLUORIC, 30% 400 lb bbls. wks. D	.07	.07
30% bbls. c/l wks. D	.06	.06
30% 100 lb chys. wks. D	.07	.07
48% single 100 lb chys. wks. D	.11	.11
48% 10 chys. wks. D	.10	.10
52% 100 lb chys. wks. D	.12	.12
52% 10 chys. wks. D	.11	.11

Acid, hydrofluoric—(continued)

60% 100 lb chys. wks. D	.14	.14
60% 300 lb dr. wks. D	.13	.13
White Acid, 100 lb chys. wks. D	.26	.26
White Acid, 10 chys. wks. D	.25	.25
Hydrofluosulfic, 35% 450 lb bbls. wks. D	.10	.12
Hypophosphorous, USP 30% 5 gal. demis. D	.35	.35
USP, 10% 5 gal. demis. D	.35	.35
LACTIC, 22% dark 500 lb bbls. D	.04 1/2	.05
22% light, bbls. D	.05 1/2	.06
44% dark, bbls. D	.09 1/2	.10
44% light, bbls. D	.11 1/2	.12
66% bbls. D	.18	.18
USP IX 100 lb chys. D	.60	.70
USP VIII 100 lb chys. D	.55	.55
Laurent's, 250 lb bbls. D	.90	.90
Metanilic, 250 lb bbls. D	.60	.65
Mixed, sulfuric-nitric		
Drums, wks. N Unit	.07 1/2	.08
Drums, wks. S Unit	.01	.01 1/2
Tank cars, wks. N Unit	.07 1/2	.08
Tank cars, wks. S Unit	.009	.01
Molybdenic, 85% pure 1 lb bot. D	1.75	1.85
85% pure, 100 lb kgs. D	1.30	1.30
Monosulfonic F, Delta, 50 lb tins D	2.30	2.30
MURIATIC, 20% chys. lc/l		
wks. 100 lb	1.25	1.50
Chys. c/l wks. 100 lb	1.10	1.50
Tank cars, wks. 100 lb	1.00	1.10
18%, 120 lb chys. D	1.00	1.10
c/l wks. 100 lb	1.00	1.10
Tank cars, wks. 100 lb	.90	1.00
22%, 120 lb chys. D	1.75	2.00
c/l wks. 100 lb	1.75	2.00
Iron, free, 20% chys. c/l wks. 100 lb	1.35	1.35
Tank cars, wks. net ton	20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls. D	.63	.63
Refined, single bbls. D	.65	.65
Nerile & Winther's, 250 lb bbls. D	1.25	1.25

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ACID, NITRIC, 36° 135D			Acid Sulfuric			ALCOHOL—(continued)		
chy. wks.100D	4.75	: 5.00	Tank cars, wks.net ton	9.00	: 11.00	Butyl, 50 gal. drums.D	...	: 4.40
Chys. c/l wks. ....100D	4.50	: 4.75	C. P. 175D chys. ....100D	.09	: .11	Cinnamic, liquid, 1D bot. ....D	10.00	: 12.00
38° single chys. wks. ....100D	5.50	: 5.75	Oleum, 20 p.c. 1500D drums,			Crystallizable ....D	12.00	: 15.00
Chys., c/l wks. ....100D	5.25	: 5.50	lc/l wks. ....100D	...	: 1.50	Isobutyl, crude 50 gal. drums. gal	...	: 4.40
42° Single chys. wks. ....100D	6.00	: 6.50	Drums, c/l wks. ....100D	...	: 1.25	Refined, 10D can. ....D	...	: .75
Chys., c/l wks. ....100D	5.75	: 6.00	Tank cars, wks. ....net ton	18.00	: 20.00	Isopropyl, crude 50 gal. drs. gal	...	: 2.25
44° Single chys. wks. ....100D	6.75	: 7.50	Contract cars, wks. ....ton	...	: 18.00	Refined, 50 gal. drs. ....gal	4.00	: 4.50
Chys. c/l wks. ....100D	6.50	: 7.00	Oleum, 40% drs lc/l wks. net ton	...	: 40.00	Ref'd, 91%, drs. ....gal	...	: 3.50
C. F. chys. single wks. ....100D	.14	: .16	Oleum, 60% drs., lc/l wks. net ton	...	: 70.00	Methyl, see Alcohol, Wood		
Oxalic, 325D bbls. wks. ....D	.13½	: .14	Sulfurous, USP 6% 100D chys. D	.05	: .06	Phenylethyl, see Phenylethylalcohol		
Bols., NY ....D	.14	: .14½	4% 100D chys. ....D	.04	: .05	Propyl, nml. crd 50 gal. drms. gal	...	: 4.40
Kops, 100D NY ....D	...	: .14½	USP, 5 gal. demis. ....D	.06	: .08	Refined, 10D can. ....D	...	: .75
Imp., 560D casks. ....D	.13	: .13½	Tannic, tech. 300D bbls. ....D	.40	: .50	Denatured		
Phenylacetic, 1D bot. ....D	3.00	: 4.00	USP, powd. 200D bbls. ....D	.70	: .75	No. 1 Complete Denat. 188 Proof		
Phosphoric, 50% tech. 100D			USP, stufy, 50D bbls. ....D	.75	: .80	50 gal. bbls. incl. ....gal	.41	: .43
chy. ....D	.08	: .09	Tartaric USP crst 300D bbls. D	...	: .37½	50 gal. drums, extra. ....gal	.35	: .37
USP, 85% syrupy, 70D			USP, powd. 300D bbls. ....D	...	: .37½	No. 1 Special Denat. 190 Proof		
demis. ....D	...	: .18	Imp. USP, 240D bbls. ....D	.37	: .38	50 gal. bbls. incl. ....gal	.39	: .41
Phthalic, see Phthalic Anhydride			Powd. 240D bbls. ....D	.36½	: .38	50 gal. drums, extra. ....gal	.33	: .35
Pieramic, 300D bbls. ....D	...	: .45	Tobias, 250D bbls. ....D	1.20	: 1.30	No. 5 Complete Denat. 188 Proof		
Pieric, 450D bbls. ....D	...	: .30	Tungstic, 100D kegs. ....D	...	: 1.00	50 gal. bbls. incl. ....gal	.38	: .40
Bbls. car lots wks. ....D	.20	: .25	Aconitine Alk. crst. 1 oz. vis. oz	...	: 30.00	50 gal. drums, extra. ....gal	.32	: .34
Pyrogallal, crys. 5D cans. ....D	...	: 1.20	Amorphous, 1 oz. vis. ....oz	...	: 20.00	No. 6 Complete Denat. 188 Proof		
Resublimed, 5D cans. ....D	1.55	: 1.60	Adeps Lanae, hydrous 350D bbls D	.21	: .23	50 gal. bbls. incl. ....gal	.37	: .40
Tech. powd., 200D bbls. ....D	...	: .80	Anhydrous, 350D bbls. ....D	.23	: .24	50 gal. drums, extra. ....gal	.31	: .33
Sallylic, tech. 125D bbls. ....D	.47	: .52	Albumen, Egg, edible. ....D	...	: .88	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.		
USP, 100D bbls. ....D	.40	: .50	Technical, see Dyers Sundries					
Second Hands ....D	.48	: .50	ALCOHOL, USP 190 pf. 50 gal.					
Sulfanilic, 250D bbls. ....D	.17	: .20	bbls. ....gal	...	: 4.70			
SULFURIC, 66° 180D chys.			Second Hands, bbls. USP 190					
lc/l wks. ....100D	1.25	: 1.50	pf. ....gal	...	: 4.60			
Chys., c/l wks. ....100D	1.00	: 1.25	Export, USP 190 pf. ....gal	.37	: .45			
1500D Drums, lc/l			Cologne Spirit, 50 gal. bbls. gal	...	: 4.75			
wks. ....100D	...	: 1.10	WOOD, see Methanol					
Drums, c/l wks. ....100D	...	: 1.00	Alcohols, also in 50 gal.					
Tank cars, wks.net ton	15.00	: 16.00	drums, extra and returnable.					
60° 1500D Drums,			Amyl, see Oil Fuel					
lc/l wks.100D	.70	: .90						
Drums, c/l wks.100D	.60	: .80						

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Chemicals

Alotin, USP 100 lb cases.....	.87	: .90
Alpha-Naphthol, tech. 300 lb bbls. lb	...	: .65
Refined, 300 lb bbls.....	...	: .75
Alpha-Naphthylamine, 350 lb bbls. lb	.37	: .39
Ton lots, bbls, wks.....	.36	: .37
ALUM, Ammonia, lump 400 lb bbls.		
wks.....	100 lb	3.50 : 3.65
Imp., 500 lb casks.....	100 lb	3.25 : 3.50
Ground, 400 lb bbls. wks.....	100 lb	3.65 : 3.75
Powd., 380 lb bbls. wks.....	100 lb	3.90 : 4.00
Chrome, 500 lb cks wks.....	100 lb	5.00 : 6.00
Potash, lump 400 lb bbls.		
wks.....	100 lb	4.50
Bbls. c/l wks.....	100 lb	4.25
Cont. bbls c/l wks.....	100 lb	4.25
Imp. 650 lb cases s.p.....	100 lb	3.00 : 3.25
Ground, 400 lb bbls. wks.....	100 lb	4.35 : 4.60
Imp. 650 lb casks.....	100 lb	3.00 : 3.25
Powd., 380 lb bbls. wks.....	100 lb	4.50 : 4.75
Chrome, 700 lb cks wks.....	100 lb	5.25 : 5.50
Soda, grd. 400 lb bbls. wks.....	100 lb	4.00
Bbls. c/l wks.....	100 lb	3.50
Aluminum, metal, c/l NY.....	100 lb	25.00 : 26.00
Chloride, anhyd. 275 lb drs..	lb	.30 : .23
30% sol. 120 lb chys.....	lb	.03 1/4 : .04
Hydrate, 96% light 90 lb bbls. lb	lb	.18 1/4 : .20
SULFATE, Iron-free bags c/l		
wks.....	100 lb	2.50 : 2.65
Imported, spot.....	100 lb	2.50 : 2.60
Comm'l. 1/2% iron, bgs. c/l		
wks.....	East 100 lb	1.45 : 1.50

ALUMINUM SULFATE—(Continued)

Cont. bgs. c/l wks. E. 100 lb	...	: 1.40
Bags, c/l wks. W. 100 lb	...	: 1.35
Bbls., c/l wks. East. 100 lb	...	: 1.60
Bulk, c/l cont. wks. E. 100 lb	...	: 1.35
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes.....	lb	6.00 : 7.50
1 lb cartons, 10 lb.....	lb	...
Aminoazobenzene, 110 lb kgs.....	lb	1.15
AMMONIA anhyd. 100 lb cyl..	lb	.30
Water, 26° 800 lb drs. wks.....	lb	.07 1/4
Drs. c/l wks.....	lb	.07 : .07 1/4
Imp., 800 lb drs incl spot. lb	lb	.06 1/4 : .07
26° 100 lb chys. lb/l wks. lb	lb	.08 1/2
Chys., c/l wks.....	lb	.08 1/4
20°, 800 lb drs. lb/l wks. lb	lb	.06
Chys., lb/l wks.....	lb	.07 1/4
18°, 800 lb drs. lb/l wks. lb	lb	.05 1/2
Chys., lb/l wks.....	lb	.07 1/4
16°, 800 lb drs. lb/l wks. lb	lb	.04
Chys., lb/l wks.....	lb	.05
Ammonium Acetate, 100 lb kgs.	lb	.35 : .36
Benzoate, USP 1 lb bot.....	lb	.85 : .90
Bifluoride, 300 lb bbls.....	lb	.23 : .23
100 lb kgs.....	lb	.23 : .24
Bromide, 50 lb boxes.....	lb	.19 : .20
Imported, 112 lb boxes.....	lb	.19 : .20
Carb., tech. 560 lb casks.....	lb	.09 1/2
Powd., tech. 385 lb bbls. lb	lb	.09
USP, lump, 100 lb kgs.....	lb	.09 1/4
Powd., 100 lb kgs.....	lb	.08 1/4
Chloride, Domestic		
White gran. 250 lb bbls. NY. lb	lb	.08
Bbls., c/l wks.....	lb	.07 1/4
Gray 250 lb bbls. wks.....	lb	.08 1/4 : .08 1/2
Bbls. c/l wks.....	lb	.08 : .08 1/4

AMMONIUM CHLORIDE—(Continued)

Imp. wh. 600 lb cases spot. lb	.06 1/4	: .07
Gray, 600 lb casks spot. lb	.08	: .09
Lump, 500 lb casks spot. lb	.13	: .14
Ichthyolate, as to brand.....	.75	: 4.00
Iodide, USP 25 lb jars.....	lb	5.20
Lactate, 500 lb bbls.....	lb	.15 : .16
Nitrate, tech. crys. 225 lb bbls. lb	...	...
Refined Crystals, bbls.....	lb	.18 : .20
CP gran. 100 lb kgs.....	lb	.35 : .37
Oxalate, pure, 100 lb kgs.....	lb	.50 : .57
Persulfate, 112 lb cases.....	lb	.55 : .60
Phosphate, dibasic 200 lb bbls. lb	lb	.54 : .60
Tech., powd. 325 lb bbls.....	lb	.15 : .17
Salicylate, USP 100 lb kgs.....	lb	...
Sulfate, bulk c/l wks.....	100 lb	3.50
200 lb single bgs c/l wks.....	100 lb	3.65
200 lb double bgs, f.a.s. 100 lb	...	3.85
Sulfocyanide, tech. 100 lb kgs. lb	lb	.50
CP, 25 lb jars.....	lb	.60 : .65
Amyl Acetate, tech. 50 gal. drs. gal	gal	3.50 : 4.00
Pure, 5 gal. cans.....	gal	6.00 : 7.00
Alcohol, see Fuel Oil		
Butyrate, 1 lb bot.....	lb	2.00 : 2.10
Formate, 1 lb bot.....	lb	1.75 : 2.00
Salicylate, 100 lb chys.....	lb	1.45 : 1.60
Anethol, 2 lb bot.....	lb	1.60 : 2.00
ANILINE OIL, 900 lb drs. 5 dr. sp. lb	lb	.17
Aniline Salt, 200 lb bbls.....	lb	.24 : .25
Azide Aldehyde, 1 lb bot.....	lb	3.40 : 4.00
Anthracene, 40-45% 600 lb casks		
wks.....	lb	.12 : .17
80-85%, 600 lb casks wks.....	lb	.75 : 1.00
Anthraquinone, sub 125 lb bbls. lb	lb	1.30 : 1.35
30% paste 350 lb bbls.....	lb	.75 : .80
Antimony metal, slabs ton lots 100 lb	lb	7.50 : 7.62
Needle Powd., 100 lb cases.....	lb	.06 1/4 : .07

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Codeine and Salts
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Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate
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Chemicals

ANTIMONY CHLORIDE, anhyd 1000B			Hay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200B.		
dra. ....	...	.35	Denat. salicy acid or tartar emetic			Sublimed, 200B bbls. ....	...	.75
50B crocks. ....	...	.45	45 gal. bbls. gal	3.17	3.20	Bichloride Mercury, see Mercury Bichloride		
Sol'n. 130B carboys. ....	...	.12	Denat. quinine sulf. 45 gal.			BISMUTH metal, 150B cases.	2.75	2.85
Oxide, 500B bbls. ....	...	.07	bbls. gal	3.40	3.50	Second Hands	2.80	2.85
Salt, dom. 500B bbls. ....	...	.24	Domestic synthetic, 50 gal.			Ammon. Citrate, USP 5B bxs. ....	...	5.60
Imp., NY ....	...	.23	bbls. gal	1.25	1.35	Betanaphtholate, 5B bxs. ....	...	3.20
Sulfide, golden 500B bbls. ....	...	.19	Benzaldehyde, tech. 945B dra.			Citrate, USP 5B bxs. ....	...	3.00
336B kegs ....	...	.17	wks. ....	.75	.80	Nitrate, 25B jars. ....	...	1.85
Crimson, 500B bbls. ....	...	.38	USP, 40B chys.	1.50	1.60	Oxychloride, 250 bbls. ....	...	3.35
Red, 500B bbls. ....	...	.43	FFC, 40B chys.	1.75	1.85	Phenolsulfonate, 5B cans. ....	...	3.05
336B kegs ....	...	.40	BENZENE, 90% 8000 gal. tanks			Salicylate, 250 bbls. ....	...	1.95
Tartrolactate, 500B bbls. ....	...	.45	wks. gal	...	.27	Subcarbonate, USP, 250 bbls. ....	...	3.35
Antipyrine, USP, 100B cases.	3.00	3.25	110 gal. dra. wks. gal	.32	.33	Subcarbonate, USP 250 bbls. ....	...	3.35
Apomorphine Hydchloride, 1/2 oz. vial. ....	...	16.65	Pure. Tanks, wks. gal	...	.30	X-Ray diag. 1B bot. ....	...	3.60
Arecoline Hytromeide, 1 oz. vial.	8.00	9.50	110 gal. dra. wks. gal	.35	.36 1/2	Subgallate, USP 175 bbls. ....	...	2.65
Argols, red powd. 350B bbls. ....	.07	.07 1/2	Benzidine Base, dry 250B bbls. ....	...	.86	Subiodide, 5B lots. ....	...	4.55
Arsenic, metal 220B kegs. ....	.23	.24	10 bbl. lots. ....	...	.84	Subnitrate, USP, 250 bbls. ....	...	2.75
Red, 224B kegs cases. ....	.15 1/2	.16	Benzidine Sulfate, paste 350B			Second Hands, bbls. or less.	2.55	2.60
White, 550B bbls. c/l NY. ....	.14 1/2	.15 1/2	bbls. ....	.70	.72	Cones, 1B bot. ....	...	3.75
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Subsalicylate, USP, 175 bbls. ....	...	3.05
Atropine Alk. USP 1 oz. vial. ....	...	10.50	Benzonaphthol, 5B boxes.	2.00	2.10	Tannate 1B bot. ....	...	2.58
Sulfate, 5 oz. cans. ....	...	3.00	Benzoyl Chloride, 500B dra. ....	...	1.00	Bismuth Preparations quoted		
Single ounce ....	...	3.17	Benzyl Acetate, 100B chys.	1.25	1.40	above on basis 25B lots.		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5B bot.	1.50	1.75	Smaller lots at an advance.		
Carbonate, precip., 800B bbls.			Benzoate, 5B bot.	1.50	1.60	Blanc Fixe, dry 400B bbls. wks.	80.00	85.00
wks. ton	...	70.00	Medicinal FFC	1.75	1.85	Imported, bbls. ....	...	...
Imports, bbls. spot. ton	...	72.00	Chloride, 95% tech. 925B dra. ....	...	.30	Paste, 650B bbls. ....	...	40.00
Precip., 200B bps. wks. ton	...	68.00	100B chys. ....	.30	.35	BLEACHING POWDER, 700B dra.		
Chloride, 800B bbls. wks. ton	90.00	95.00	Redistill. 100B chys. ....	.40	.45	c/l wks. 100B	1.90	2.15
200B bps. wks. ton	90.00	95.00	Formate, 1B bot.	2.50	3.00	Drums 1c/l ex-warehouse. 100B	2.40	2.65
Import, bbls., spot. ton	85.00	90.00	Berberine Hydchloride, 1B bot. ....	...	22.00	Contract, c/l wks. 100B	1.90	2.00
Dioxide, 88% 690B dra. ....	.17	.18	Sulfate, acid or neut. 1B bot. ....	...	22.00	F. a. a. c/l. 100B	...	...
Import, 83-85% 400B dra. ....	.14	.16	BETA-NAPHTHOL, 350B bbls. wks. ....	...	.26	Imported, spot. 100B	...	...
Hydrate, 500B bbls. ....	.05 1/2	.06	Ton lots, wks.	23 1/2	.24	Blue Ointment, see Mercury		
Iodide, 5B box. ....	...	5.15	Sublimed ....	.55	.60	Mass, see Mercury		
Nitrate, 700B casks. ....	...	.10				Bone Ash, 100B kegs. ....	...	.08
Import, casks08 1/2	.09				Black, 200B bbls.06	.08
Sulfoeyanide 400B bbls.35						
Barytes, floated 350B bbls. ton	33.50	35.00						



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Bicarbonate of Soda

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Chemicals

Borax, USP, cryst. 400 lb bbls..	.05½	.05½
Powdered, U.S.P., 300 lb bbls..	.05½	.05½
Kegs, USP, 100-150 lb.....	.05½	.06
Bordeaux Mixture, powd. bbls..	.12	.15
Paste, bbls.....	.08	.10
Borneol, 1 lb bot.....	...	3.50
Bromide, see potass. bromide, etc.		
Bromine, bot. in 60 lb cs. wks..	...	.29
Bromobenzene, 600 lb drums.....	.40	.42
Bromofarm, USP 5 lb bot 50 lb cs..	...	1.50
Bromistrol, 25 lb kegs.....	4.00	4.25
Brucine Sulfate, 100 ozs.....	...	.20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bbs.....	1.15	1.25
Bromide, 50 lb cases jars.....	...	1.10
Iodide, 10 lb bot.....	...	4.45
Sulfide, cs.....	1.50	1.60
CAFFEINE ALK. USP 5 lb cans..	3.75	4.25
Second Hands.....	...	3.75
Hydrochloride, 1 lb bot.....	7.12	7.32
Sulfate, 1 lb bot.....	...	5.50
Citrated, 25 lb cans.....	3.00	3.25
Hydrobromide, 1 lb bot.....	...	4.75
CALCIUM Acetate, 150 lb bgs, c/l wks.....	...	4.00
Arsenate, 100 lb bbls. c/l wks..	.17	.19
Bbls. lc/l wks.....	.18	.21
Bromide, 100 lb cs.....	...	.45
Calcium Carbide, 220 lb dr c/wks..	...	.04½
Drums lc/l wks.....	...	.05
Carbonate, tech. 100 lb bags c/l.....	1.00	1.10
USP, precip. 175 lb bbls..	...	.04
Chloride, solid, 650 lb drs. c/l f.o.b. NY.....	...	24.50
Gran., 350 lb drs. c/l f.o.b. NY.....	...	30.50

CALCIUM CHLORIDE—(Continued)

Flake 330 lb drs. c/l drs. f.o.b. NY.....	...	30.50
Anhyd., 350 lb drs. f.o.b. NY..	.12	.13
Glycerophosphate, 250 lb bbls..	1.55	1.60
Hydrate, (see Lime)		
Iodide, 5 lb bot.....	...	4.35
Lactate, tech. 500 lb bbls.....	...	.13½
Nitrate, 220 lb bbls. c/l NY.ton	...	40.00
Phosphate, precip. 350 lb bbls..	.10	.12
Phosphate, precip. tribasic 350 lb bbls.....	.12	.13
Phosphate, mono.....	.06½	.07½
Sulfocarbonate, 100 lb kegs.....	.58	.60
Calomel, see Mercury		
CAMPHOR, Amer. ref. 250 lb bbls.....	...	.96
2½ lb slabs, 100 lb cs.....	...	.97
1 lb cakes, 100 lb cs.....	...	.97½
1 oz. tab., 1 lb ctns.....	...	1.01½
100 lb cs.....	...	1.02
1 oz. tab., 1 lb ctns.....	...	1.02
100 lb cs.....	...	1.02
Jap. ref. 2½ lb slabs, 100 lb cs.....	.87	.89
1 oz. tab., 100 lb cs. 1 lb time.....	...	1.00
1 oz. tab. 100 lb cs. 1 lb time.....	...	1.02
Chinese ref. 2½ lb slabs 100 lb cs.....	...	.90
Crude, 100 lb cs.....	.72	.73
Camphor, Monobrom. 100 lb cs..	1.75	1.85
Caramel, 50 gal. bbls.....	.60	.62
Carbazol, 250 lb bbls.....	.75	.80
Carbon Bisulfide, buym or, lc/ANY..	...	.06½
c/l drums, NY.....	...	.05½
Carbon Black, 12½ lb bags, 150-225 lb cases.....	.18	.35

Carbon Tetrachloride, 1400 lb drs. NY.....	...	.10½
Drums, c/l NY.....	.09	.09½
700 lb drs. single NY.....	...	.10½
Carmine, No 40 5 lb boxes.....	4.50	4.60
Casein, edib. 100 lb keg.....	.45	.50
Technical, 200 lb bbls.....	.28	.30
Castoreum, 1 lb boxes.....	4.00	4.50
Castor Oil, USP 50 gal. bbl.....	...	.14½
Cases, 80 lb 2 tins.....	...	.15
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cerium Oxalate, USP 100 lb kgs..	.48	.53
Chalk, drop 175 lb bbls.....	...	.03½
Precip. light 175 lb bbls.....	.04½	.04½
Precip. heavy 560 lb cals.....	.03½	.04
Bulk.....	5.00	8.00
Precip. English, 7 lb bags.....	.08½	.08½
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl.....	.04	.05
Willow, powd. 100 lb bbl.....	.06	.07
China Clay, imp.....	16.00	22.50
Domestic, fob Mine.....	15.00	17.50
Chloral Hydrate, USP 100 lb drs..	.75	.80
25 lb jars.....	.76	.81
Chinoidin, 170 lb cases.....	.65	.75
Chloamine-T, 5 lb bot.....	1.25	2.50
Chloroform, 5 lb bot.....	.55	.75
Chlorhydrin, Ethylene anhyd., 600 lb drs.....	.75	.85
40% soln. 100 lb cbs.....	.25	.30
CHLORINE, Liquid 2000 lb cyl. c/l wks.....	.05½	.05½
Tank car lots wks.....	.05½	.05½
100 lb cyl. c/l.....	...	.06
100 lb cyl lc/l wks.....	.06½	.07
100 lb cyl lc/l, ex-warehouse..	...	.09
Chlorobenzene, mono. 1000 lb drs. wks.....	.11	.12
Dr. c/l wks.....	.10	.11
Tank car lots wks.....	...	.09
CHLOROFORM, USP 50 lb drs..35
Second Hands, 650 lb drs.....	.32	.34
Technical, 650 lb drums.....	.32	.33

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Chromium Acetate, 20° soln. 400 lb bbls.08	: .10	COD LIVER OIL, Norwegian, 30 gal. bbls.	23.00	: 24.25	Cyanamide, bulk c/l wks. Amm. unit ...	: 3.25
Fluoride, Powd. 400 lb bbls. ....	...	: .30	Newfoundland, 30 gal. bbls. bbl ...	...	: ...	DIAMINOPHENOL, 100 lb kegs.	: 3.80
Soln. 400 lb bbls. ....	...	: ...	Colchicine alk., USP 1 oz. vial. ....	...	: 30.00	Dianisidine, 100 lb kegs.	: 4.00
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial. ....	...	: 45.00	Dichlorobenzene, 1000 lb drs.	: .06
Chrysarobin, USP 5 lb cans.	2.00	: 3.00	Colloidon, USP 30 lb drums. ....	.22	: .23	Diethylaniline, 350 lb drs.	: .60
Cinchonidin alk., powd. 100 oz. tins. ....	...	: .70	Flexible, USP 30 lb drums. ....	.27	: .28	Diethyl Phthalate, 25 lb cans.	: .65
Crystal. ....	...	: .75	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs.	: .20
Sulfate, 100 oz. tins. ....	.49 1/4	: .50	NY.	16.12	: 16.25	CP drums.	: .40
Cinchonine, alk., powd. 100 oz. tins. ....	...	: .38	Lake, c/l NY.	16.37	: 16.50	Digitalin, Pure, 1 oz. vial.	: 7.75
Crystal. ....	...	: .45	Casting, c/l NY.	15.75	: 15.87	Dimethylaniline, 840 lb drs. wks.	: .42
Sulfate, 100 oz. tins. ....	...	: .25	Carbonate, 400 lb bbls. ....	.19	: .19 1/2	Dimethylsulfate, 100 lb drs.	: .50
Cinnamic Alcohol, see Alcohol Cinnamic			Cyanide, 100 lb drs. ....	.58	: .60	Dinitrobenzene, 400 lb bbls.	: .19 1/4
Cinnamic Aldehyde, 1 lb bot.	3.20	: 3.50	Iodide, 5 lb bot. ....	...	: 5.05	Dinitrochlorobenzene, 400 lb bbls.	: .19 1/4
Citral, 25 lb cans.	2.75	: 3.00	Oxide, 1000 lb bbls. ton lots. ....	...	: .20	Dinitronaphthalene, 350 lb bbls.	: .32
Citric Acid, see Mercury			Sub-Acetate, verd. 440 lb bbls. ....	.35	: .37	Dinitrophenol, 350 lb bbls.	: .40
Citronellal, 1 lb bot.	2.00	: 2.25	SULFATE, crys. 450 lb bbls. 1c/l			Dinitrotoluene, 300 lb bbls.	: .19
Citronellol, 1 lb bot.	8.00	: 14.00	spot.	6.00	: 6.10	Dionin, see Morphine, Ethyl	
Cobalt metal, 100 lb kegs.	2.75	: 2.85	Carlota, bbls. f.o.b. NY. 100 lb	5.90	: 6.00	Diphenylamine, 250 lb bbls.	: .48
Cobalt Oxide, 500 lb bbls. ....	...	: 2.10	Carlota, bbls., delivered. 100 lb	6.00	: 6.10	Diphenylchloride, 500 lb drums.	: .85
10 lb tins 200 lb cans. ....	...	: 2.35	Imp. 550 lb cks.	5.25	: 5.50	Dover's Powder, USP 5 lb tins.	: 2.20
COCAINE alk., USP. 1 oz. vial. ....	...	: 11.00	Powdered, 350 lb 5 bbls. ....	...	: .07 1/4	Duboisine Sulfate, 1 oz. vial.	: 60.00
Hydrochloride, USP—1 oz. vials, 25 ozs. ....	...	: 7.07	Copperas, bulk c/l wks.	20.00	: 21.00	EARTH, Diatomaceous, see Kieselguhr	
In 1/2 oz. vials. ....	...	: 7.50	400 lb bbls. c/l wks. ....	...	: 25.00	Emetine, alk., 15 gr. vls.	: 1.65
In crystals, granular, powder, or flaky crystals as desired.			200 lb bgs. c/l wks. ....	...	: 23.00	Hydchlide, USP 1 oz. vial.	: 19.00
Cocoa Butter, bulk, 200 lb bales. ....	.28	: .30	Powdered, bbls.	3.45	: 3.75	15 gr. vials.	: .75
Fingers, cakes, etc. 12 lb bxs. ....	.36 1/4	: .37 1/4	Corn Syrup, 42 deg. 50 gal. bbls. ....	...	: 3.36	EPSON SALT, tech. 300 lb bbls. NY.	: 2.35
CODEIN alk., 5 oz. cans 10 oz. lots. ....	...	: 7.30	43 deg. 50 gal. bbls. ....	...	: 3.41	Bbls. c/l NY.	: 2.10
Hydrobromide, 10 ozs. ....	...	: 5.85	Corrosive Sublimate, see Mercury Bichloride			100 lb bgs. c/l NY.	: 1.85
Hydrochloride, 10 ozs. ....	...	: 6.55	Cotton Soluble, 100 lb bbls. wet. ....	.40	: .42	Imp., 220 lb bgs. c/l NY.	: 1.10
Nitrate, 10 ozs. ....	...	: 6.55	Coumarin, 25 lb tins.	4.50	: 4.75	USP, 300 lb bbls, 10 bbls. 100 lb	: 2.75
Phosphate, 10 ozs. ....	...	: 5.50	Second Hands. ....	...	: 4.40	Carlota, bbls.	: 2.50
Salicylate, 10 ozs. ....	...	: 5.50	CREAM TARTAR, USP, 300 lb bbls. ....	...	: .26 1/2	Imported, 400 lb bbls.	: 2.25
Sulfate, 10 ozs. ....	...	: 5.55	Imp. powd. USP, 224 lb bbls. ....	.26	: .27	Ergotin, Bonjean, 1 lb jars.	: 9.50
Small Sizes, 1/2 oz. vials, 50c extra, 1/4 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 ozs. 15c oz. higher than above.			Creosote, USP, 42 lb chys. ....	.50	: .55	Esarine alk., 1 oz. vial.	: 30.00
			Creosote Oil, 50 gal. drs. ....	.20	: .22	Salicylate, USP 1 oz. vial.	: 20.00
			Carbonate, 1 lb bot. 25 lb drums.	1.80	: 2.00	Sulfate, USP VIII, 1 oz. vial.	: 15.00
			Creosol, USP, 400 lb bbls.25	: .27		

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ETHER, USP 55lb drums.....lb	.13	: .15	Fluorspar, 95% 220lb bgs. ex dock.....ton	...	: 25.00	GLYCERIN, C. P. 550lb drums..lb	.17	: .17½
Anaesthesia, 55lb drums.....lb	...	: .16	96% bgs. ....ton	...	: 33.50	Cans, 50lb .....lb	.18½	: .19
USP, 1880 55lb drums.....lb	...	: .38	98% bgs. ....ton	...	: 35.00	Dynamite, 1000lb drs.....lb	...	: .16½
Washed, 55lb drums.....lb	...	: .30	FORMALDEHYDE, USP 400lb bbls. c/l wks. ....lb	...	: .15	Saponification, tanks.....lb	.12	: .12½
Motor, 1lb cans.....lb	.26	: .27	Carboys, 100lb 1c/l wks.....lb	...	: .16	Soap, Lye, tanks.....lb	.10½	: .11
Ether, Nitrous, 1lb bot.....lb	.92	: .95	Bbls. 400lb 1c/l wks.....lb	...	: .16	Goa Powder, see chrysarobin	...	
Ethyl Benzyl Aniline, 300lb drs..lb	...	: 1.30	Second Hands.....lb	...	: .14½	Graphite, crude 220lb bags.....ton	15.00	: 35.00
Ethyl Acetate, 99%, 50 gal. drs.gal	1.05	: 1.15	Fuller's Earth, 200lb bgs. c/l mines.....ton	15.00	: 17.00	Flake, 500lb bbls.....lb	.06	: .10
85-90% Ester, 50 gal. drs.gal	...	: .95	Imported, 230lb bags NY.....ton	35.00	: 40.00	Ground, lump, bbls.....lb	.04	: .05
Carlots, drums.....gal	...	: .92	Fusel Oil, refined, 100 gal drs.gal	...	: 4.75	Guaiacol liquid, USP 25lb cans..lb	2.50	: 2.60
Tank Cars.....gal	...	: .90	Crude, 100 gal drum.....gal	...	: 4.00	Benzoate, 1lb bot.....lb	...	: 18.00
Pure, 5lb bot.....gal	...	: 3.50	G. SALT, paste 350lb bbls. basis 100%.....lb	.60	: .65	Carbonate, 5lb boxes.....lb	5.00	: 5.25
Benzoate, 5lb bot.....lb	1.85	: 2.00	Gelatin, USP silver bbl. 100lb cs..lb	.85	: .90	HAARLEM OIL, Dom. 6 gr. cs.gross	...	: 3.50
Bromide 115lb drs.....lb	...	: .40	Gold Label, 100lb cases.....lb	...	: .60	Imported, 5 gr. cases.....gross	5.20	: 5.25
Butyrate, 5lb bot.....lb	2.00	: 2.25	Technical, 100lb cs.....lb	.60	: .65	Halazone, 5lb bot.....lb	2.75	: 3.25
Chloride, 15lb cyl.....lb	...	: .35	Geraniol, 50lb cans.....lb	2.75	: 3.00	Hellotropin, 10lb bot.....lb	1.75	: 2.75
Cinnamate, 1lb bot.....lb	4.50	: 5.00	Geranyl Acetate, 1lb bot.....lb	4.25	: 4.75	Hexamethylenetetramine, USP 100lb drums.....lb	.95	: 1.00
Formate, 5lb bot.....lb	.95	: 1.00	GLAUBER'S SALT, tech. 200lb bags c/l wks. ....100lb	1.10	: 1.25	Imported.....lb	.80	: .85
Methyl Ketone, 50 gal. drums..lb	.25	: .25½	350lb bbls. c/l wks.....100lb	1.25	: 1.40	Rubber Makers, Impalp. Pd. drs.....lb	...	: .95
Morphine, see Morphine, Ethyl	...		Bbls. 1c/l wks.....100lb	1.50	: 1.75	Homatropine Hydrobrom. USP 1 oz. vial.....oz	...	: 16.00
Valerate, 5lb bot.....lb	4.50	: 4.75	Imported, bbls, spot.....100lb	.90	: 1.00	Five ozs., 1 oz. vials.....oz	...	: 15.00
Ethylene Bromide, 600lb drs.....lb	...	: .60	USP, 300lb bbls. imp. sp. 100lb	...	: 1.25	Hydrastine Alk., USP, 1 oz. vial..oz	...	: 20.00
Glycol.....lb	.65	: 1.00	USP, 300lb bbls. dom. sp. 100lb	...	: 1.75	Hydchlide, USP, 1 oz. vial.....oz	...	: 20.00
Chlorhydrin, anhyd. 50 gal drs..lb	.75	: .85	USP, 300lb bbls. c/l wks. 100lb	...	: 1.40	Sulfate, 1 oz. vial.....oz	...	: 22.00
40% Solution, 50 gal. bbls..lb	.25	: .30	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY.....100lb	3.11	: 3.14	Hydrastinine Hydchlide, USP 15 gr. vials.....vial	...	: 2.40
Dichloride, 50 gal. drs.....lb	.20	: .25	Syrup, Drs. & bbls, c/l NY 100lb 1c/l NY.....100lb	...	: 3.54	Hydrasobenzene, 100lb kegs.....lb	1.30	: 1.35
Eucalyptol, 25lb cans.....lb	.80	: .85	GLUE, pure white, bbls.....lb	.30	: .35	HYDROGEN PEROXIDE, 25vol. 400lb bbls.....lb	...	: .10
Eugenol, 25lb cans.....lb	2.85	: 3.25	Medium white, bbls.....lb	.25	: .30	USP Soln. 375lb bbls.....lb	.05	: .05½
Feldspar, bulk.....ton	20.00	: 25.00	French, bbls.....lb	.18	: .25	USP bot. 4 oz. cases.....gross	8.00	: 8.25
FERRIC CHLORIDE, tech. crys. 475lb bbls.....lb	...	: .08	High Grade, bbls.....lb	.35	: .40	Bot. 8 oz. cases.....gross	11.75	: 12.00
Imported.....lb	...	: .07	Bone, regular, bbls.....lb	.10	: .12	Bot. 16 oz. cases.....gross	19.75	: 20.00
USP, crys. 100lb kegs.....lb	...	: .09	Fish, bbls. ....gal	1.50	: 1.75	Hydroquinone, 100lb kegs.....lb	1.00	: 1.15
Imported.....lb	...	: .08				Hyoscine Hydrobrom. USP 1 oz. vial.....oz	...	: 21.00
Tech. Sol'n 40° 140lb clys..lb	...	: .06½				Five ozs., 1 oz. vials.....oz	...	: 20.50
48° 140lb clys.....lb	...	: .08						
USP Sol'n 125lb clys.....lb	...	: .06½						
Ferrous Chloride, crys. tech. 475lb bbls.....lb	.06	: .06½						
Ferrous Sulfide, 1000lb bbls. 100lb	2.50	: 3.00						
Flake White, see lead, white	...							

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Hyocamine Alk. Cryst., 1 oz. vial.oz	...	35.00	LANOLIN, see Adeps Lanae			Litharge, see lead oxide		
Alkaloid, Amorphous, 1 oz. vial.oz	...	75.00	LEAD, metal, c/l NY.....100lb	7.15	: 7.25	Lithium Carb. USP 100lb kgs..b	1.50	: 1.60
Hydrobromide, USP 1 oz. vial.oz	...	60.00	Acetate, white crystals 500lb			Bromide, 100lb cs.....b	1.70	: 1.80
Sulfate, 1 oz. vial.....oz	...	35.00	bbils. wks. ....b		.14	Citrate, USP 100lb kgs.....b	1.60	: 1.70
INDOL, C. P. 1 oz. bot.....oz	3.50	: 9.00	100 to 250lb kgs. wks. b		.14½	Iodide, 5lb bot.....b		5.40
Iodides, see Potass. Iodide, etc.			White, broken, bbils. wks.100lb		13.40	Lithopone, 400lb bbils. lc/l wks. b	.07½	: .08
IODINE, crude, 200lb kgs.....b	3.90	: 3.95	White, gran., bbils. wks.100lb		13.65	Bbils. c/l wks.....b		.07
Resublimed, 10lb jars.....b	...	4.55	White, powd., bbils. wks.....b		.14½	Imported, 400lb bbils.....b	.06	: .06½
Tincture, USP, 50 gal. bbils..gal	4.50	: 4.60	Kegs. wks. ....b		.15½	Litmus Cubes .....	.90	: 1.00
Carboys	4.75	: 4.85	Brown, broken, bbils. wks. b		.15½	MAGNESITE, crude		15.00
Iodoform, powd. 10lb bot.....b	...	6.00	USP, 100lb kgs.....b		.20	Calcined, 500lb bbils.....ton		55.00
Crystals, 10lb bot.....b	...	7.00	Arsenate, 100lb bbils. lc/l wks. b	.25	: .26	Magnesium mtl., sticks 100lb cs. b	1.25	: 1.30
Ionone, (violet) 1lb bot.....b	5.00	: 9.00	Bbils. c/l wks.....b	.21	: .24	Carb. tech. 70lb bags NY.....b	.07½	: .08
Iridium, metal 10oz lots.....oz	...	250.00	Paste, 600lb bbils.....b	.12	: .13	75lb bbils. NY.....b	.08½	: .09
Iron, metal by hydrogen 1 lb bot. b	.65	: .70	Nitrate, 500lb bbils. wks.....b	3.20	: 3.40	USP, 60lb bbils.....b	.10	: .11
IRON & AMM. CITRATE, USP 25lb			Oxide, lithge. 500lb bbils..100lb	10.90	: 11.15	USP, blocks 100lb cs. 1, 2, 4		.23
cans .....	...	.84	100lb kgs. wks.....b		.14½	ozs. ....b	.19	: .23
Green scales, 25lb cans.....b	...	.84	Oxide, red 500lb bbils. wks. b	11.40	: 11.65	Chloride, fused 575lb dra. c/l		
Cacodylate, 10lb bot.....b	9.00	: 9.25	100lb kgs wks.....b		.14½	wks. ....ton	...	34.00
Citrate, USP VIII 25lb cans..b	...	.99	White, basic carb. 500lb bbils.		.28	Flaked, 350lb dra. wks.....ton	...	36.00
Chloride, see ferric or ferrous			wks. ....b	.09½	: .10	Imp., fused 900lb bbils. NY.ton	26.00	: 28.00
Hypophosphite, 5lb cans.....b	1.50	: 1.60	Bbils. c/l wks.....100lb		.09½	Fluossilicate, crystals 400lb bbils.		
Syrup, USP VIII.....b	...	.30	100lb kgs wks.....b		.14½	wks. ....b	...	.15
Iodide, 1lb bot.....b	...	4.30	White, sulfate 500lb bbils. wks. b	.09½	: .09½	30% soln. 500lb bbils. wks. b	.07	: .07½
Syrup, USP 5lb bot.....b	.35	: .38	Bbils. c/l wks.....100lb	9.25	: 9.25	Soln. bbils. c/l wks.....b	...	.06
Nitrate, kgs .....	.09	: .10	Licorice Ext. Mass, cases.....b	.25	: .28	Glycerophosphate, 5lb tins.....b	...	3.35
Com'l, bbils. ....100lb	3.75	: 3.35	Compound powder, bbils.....b	.11	: .13	Hypophosphite, 5lb cans.....b	...	1.15
Oxalate, scales 25lb cans.....b	.80	: .82	Powdered .....	.38	: .40	Oxide, USP light 100lb bbils..b	...	.45
& Ammon. Oxalate, 25lb bxs b	.45	: .50	Sticks, 1 oz. 100lb cases.....b	.45	: .50	USP, heavy 250lb bbils.....b	...	.50
& Potassium Oxalate, 25lb bxs. b	.47	: .48	LIME (Salts, see Calcium Salts)			Peroxide, 5lb cans.....b	...	2.15
& Sodium Oxalate, 25lb bxs..b	.40	: .42	Live, 325lb bbils. ton lots, wks. b	...	.01½	Perborate, 1lb tins.....b	...	2.25
Phosphate, USP 25lb cans.....b	...	.89	Single bbl. wks.....b	...	.01½	Salicylate, 100lb kgs.....b	...	.80
Pyrophosphate, USP 25lb			Hydrated, 167lb bbl, ton lots,			Sulfate, see Epsom Salts		
cans .....	.90	: .97	wks. ....b	...	.01½	Manganese Chloride, 600lb csk.		
Iso-Eugenol, 1lb bot.....b	4.25	: 5.00	Single bbl. wks.....b	...	.01½	NY .....	.09½	: .10
JALAP RESIN, lump 5lb tins..b	3.25	: 3.35	Oyster Shell, 150lb bbl, single. b	...	.03	Borate, 200lb bbils.....b	...	.18
Powd., tins	3.40	: 3.60	125lb bag .....	...	.03	100lb kgs .....	...	.19
KIESELGUHR, 90lb bags NY...ton	60.00	: 70.00	Sulfur, dry 200lb dra. NY.....b	.08	: .10	Dioxide, 80-84% 900lb bbils.	80.00	: 85.00
			Dra. c/l NY.....b	...	.10½	NY	85.00	: 90.00
			33° Soln. 50 gal. bbils. NY.gal	.15	: .16	85-90%, 900lb bbils. NY.ton	85.00	: 90.00
			Linalool, 5lb bot.....b	7.00	: 7.25	Hydrated, precip. 100lb kgs. b	.32	: .35
			Linalyl Acetate, 1lb bot.....b	7.00	: 10.00			
			Benzoate, 1lb bot.....b	13.00	: 14.00			



Alkaloids

AND

Fine Chemicals

Caffeine

Caffeine Citrate

Theobromine Alkaloid

C. P. SCHLICKE

227 Fulton St.

New York

R. W. GREEFF & CO.

(Incorporated)

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Acetone C. P.
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Benzaldehyde
Benzoates
Bromides
Citric Acid
Cod Liver Oil
Cream of Tartar
Formaldehyde
Formic Acid
Hexamethylenetetramine

Hydroquinone
Methyl Salicylate
Milk Sugar
Oxalic Acid
Potassium Bicarbonate
Potassium Metabisulphite
Quinine
Salicylates
Tannic Acid
Tartaric Acid
Vanillin

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Chemicals

Manganese—(continued)			METHANOL (Wood Alcohol)			NAPHTHA. Solvent, 110 gal. dra.		
Glycerophosphate, 5 lb. tins....	D	3.05	95%, 50 gal. drms. ext....	gal	1.12	1.16	8000 gal. tank cars wks....	gal
Hypophos. USP VIII 5 lb. cans..	D	1.65	97%, 50 gal. drms. ext....	gal	1.14	1.17	8000 gal. tank cars wks....	gal
Iodide, 1 lb. bot.....	D	6.40	Pure, 50 gal. drms. ext....	gal	1.30	1.35		
Ore, bulk NY.....	unit	.45	Acetone free, 50 gal. drms. ext.	gal	1.25	1.40		
Sulfate, 600 lb. casks NY.....	D	.10	Bbls. incl. 5c higher					
Marble Flour, bulk.....	ton	10.00	Methyl Acetone, 100 gal. drums..	gal	.85		NAPHTHALENE, Flaks, 175 lb. bbls.	
See also Calcium Carbonate			Tank cars	gal	.80		wks.	
MENTHOL, USP, 60 lb. cases....	D	7.75	Anthranilate, 1 lb. bot.....	D	2.25	2.50	Bbls. c/l wks.....	D
Less cases, 5 lb. tins.....	D	8.00	Chloride, 90 lb. cyl.....	D	.50		Bbls., second hands NY.....	D
MERCURY, metal 75 lb. flask..	flask	67.00	Cinnamate, 1 lb. bot.....	D	4.00	4.50	Balls, 250 lb. bbls. wks.....	D
Less Flasks, 5 lb. jugs.....	D	1.02	Paracetol, 1 lb. bot.....	D	8.00	9.00	Bbls. c/l wks.....	D
Bichloride, cryst. 25 lb. bxs....	D	1.17	Salicylate, USP, 50 lb. cases....	D	.57	.62	Bbls., second hands, NY.....	D
Gran. powd., 200 lb. kegs....	D	1.02	500 lb. drums	D	.55	.60	Crushed bgs. wks.....	D
Bisulfate, 25 lb. boxes.....	D	.86	Second Hands, cases.....	D			Crude, imp. bgs.....	D
Blue Mass, 25 lb. boxes.....	D	.62	Methylene Blue, tech. 100 lb. kgs.	D	1.00	1.50	Nerolin, 1 lb. tins.....	D
Powdered, 25 lb. boxes.....	D	.64	USP, medicinal 5 lb. cans....	D	2.25	2.60	Nickel Metal, electrolytic 100 lb.	
Blue Ointment, USP 25 lb. cans			Michler's Ketone, 225 lb. bbls..	D		3.75	kegs	
50%.....	D	.80	Milk, powd. 150 lb. bbls.....	D	.14	.15	Ingot, 100 lb. kegs.....	D
USP, dilute 25 lb. cans 30%..	D	.62	Milk Sugar, see sugar of milk				Salt, single 400 lb. bbls. NY..	D
33 1/3% Mercury.....	D	.67	Mineral Oil, see oil mineral				Double, 400 lb. bbls. NY....	D
Calomel, 50 lb. bxs.....	D	1.25	Monochlorobenzene, see chlorobenzene				Oxide, 100 lb. kegs NY.....	D
Citric Acid, 25 lb. jars....	D	.50	Monochlorobenzene, 900 lb. drs..	D		1.00	Nitre Cake, bulk wks.....	ton
Iodide, green 25 lb. jars.....	D	4.00	Monomethyl paramidophenol sulfate				500 lb. bbls.....	ton
Red, USP 25 lb. jars.....	D	4.10	100 lb. drs.....	D		4.00	Nitrobenzene, crude 1000 lb. dra.	
Yellow, USP VIII 25 lb. jars..	D	4.00	MORPHINE Sulfate, USP 5 oz. tins				wks	
Red Precip. USP 25 lb. bxs....	D	1.38	10 oz.	oz.	5.35		Redistilled, 1000 lb. dra. wks.	D
Powder, USP 25 lb. bxs.....	D	1.48	Acetate, 5 oz. tins 10 oz. lots..	oz.	5.35		Nitronaphthalene, 550 lb. bbls.	D
White Precip. USP 25 lb. bxs..	D	1.49	Hydrobromide, 5 oz. tins 10 oz.	oz.	5.35		Nitrotoluene, mixed 1000 lb. dra.	
Powder, USP 25 lb. bxs.....	D	1.54	lots	oz.	5.35		wks.	
With chalk, USP 25 lb. bxs....	D	.62	Hydride, 5 oz. tins 10 oz.	oz.	5.35		Oil Fuel, see Fuel Oil	
Meta-Nitroaniline, 300 lb. bbls..	D	.78	lots	oz.	5.35		OIL MINERAL, wh. 50 gal. bbls. gal	1.00
Meta-Nitro-para-Toluidine, 300 lb.			Diacetyl Alk., 1/4 oz. via. 10	oz.	8.95		Oil Mirbane, see nitrobenzene	
bbls.....	D	2.25	Hydride, 1/4 oz. via. 10 oz.	oz.	8.10		Opium, see crude drugs	
Meta-Phenylenediamine, 300 lb.			Ethyl Hydride, 1/4 oz. via. 10	oz.	9.45		Orange Mineral, 800 lb. casks NY.	D
bbls.....	D	.95	Small Sizes: 1/4 oz. vials, 50c extra;				500 lb. bbls. NY.....	D
Meta-Toluylenediamine, 300 lb.			1/4s 25c extra; single oz. via., 7c ex-				Ortho-Aminophenol, 50 lb. kegs..	D
bbls.....	D	.95	tra, over price for 5 oz. tins. 25 oz.				Ortho-Anisidine, 100 lb. drs....	D
			lots in 5 oz. tins, 10c oz. lower than				Ortho-Dichlorobenzene, 1000 lb. dra.	
			above schedule. Less than 10 oz. lots				wks.	
			15c oz. higher than above schedule.				Ortho-Nitrochlorobenzene, 1200 lb.	
			Musk Ambrette, 1 lb. cans.....	D	14.50	16.50	dra. wks.....	D
			Ketone, 1 lb. cans.....	D	13.00	14.00	Ortho-Nitrophenol, 350 lb. 3 bbls.	D
			Xylene, 5 lb. cans.....	D	2.75	3.00		

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Nickel Formate
Potassium Binoxalate
Potassium Thiocyanate
Sodium Oxalate
Tin Crystals

*Copper Chloride, Cupric—is an unusually high quality product for technical use, very free from cuprous and makes a clear solution. Test it out in every way.

Monthly Price Information

Write on your firm's stationery for the Monthly Price List of Industrial Chemicals. It will keep you posted.

Chemicals

Ortho-Nitrotoluene, 1000 lb drs. wks. ....D	.09 : .10	Para-Phenylenediamine, 350 lb bbls. ....D	1.45 : 1.55	Phosphorus, red 110 lb cs. wks. ....D	...	...
Ortho-Toluidine, 350 lb bbls. ....D	.14 : .16	Para-Toluene-Sulfonamide, 175 lb bbls. ....D	.40 : .41	Imported, 112 lb cases ....D	...	...
Oxgall, USP 5 lb bot. ....D	...	...	...	Yellow, 110 lb cs. wks. ....D	.35	.40
PALLADIUM, metal 10 oz. lots or 51.00 : 53.00		Para-Toluene-Sulfonchloride, 410 lb bbls. wks. ....D	.25 : .30	Imported, 112 lb cases ....D	...	.30
Pancreatin, USP 5 lb bot. ....D	1.25 : 1.40	Para-Toluidine, 350 lb bbls. wks. ....D	.90 : 1.00	Phosphorus Trichloride, 175 lb cyl. wks. ....D	...	.35
Papain, 1 lb bot. ....D	2.15 : 2.25	PARIS GREEN		Phthalic Anhydride, 175 lb bbls. ....D	.35	.40
Paraffin, ref'd 200 lb cs. slabs		Arsenic Basis, 500 lb kegs. ....D	.29 : .31	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials. ....D	...	5.50
120-125 Deg. M. P. ....D	.03 1/4 : .03 1/2	Kegs, 100 lbs ....D	...	Nitrate ....D	...	5.50
125-130 Deg. M. P. ....D	.04 : .04 1/2	Kits, 56, 28, 14 lbs. ....D	...	Single ounces ....D	...	5.75
130-135 Deg. M. P. ....D	.04 : .04 1/4	Packages, 5 and 2 lbs. ....D	.34 : .35	Alkaloid, 15 gr. vls. ....D	...	.75
135-140 Deg. M. P. ....D	.05 : .06 1/4	Packages, 1 lb 1/2, 3/4 lb. ....D	.36 : .40	Piperazine Hydrate, 1 lb bot. ....D	...	16.00
Para-Aminoacetanilid, 100 lb kegs. ....D	1.05 : 1.15	Paris White, see whitening, French		Pitch, Coal-Tar, wks. ....D	30.00	33.00
Para-Aminophenol, 100 lb kegs. ....D	...	Pepsin, USP 5 lb bot. ....D	2.25 : 2.50	Plaster Paris, tech. 250 lb bbls. ....D	...	3.30
Hydrochloride, 100 lb kegs. ....D	...	PETROLATUM, green 300 lb bbls. ....D	.02 1/4 : .03	True Dental, 300 bbls. ....D	...	4.50
Para-Dichlorobenzene, 50-300 lb bbls. wks. ....D	.17 : .20	Dark Amber, 300 lb bbls. ....D	.03 1/4 : .04	Platinum, metal soft 10 oz. lots. ....D	...	116.00
25-50 lb kegs. ....D	.18 : .22	Light Amber, 300 lb bbls. ....D	.04 1/4 : .05	Podophyllin, 5 lb bot. ....D	5.25	5.50
Paraldehyde, 100 gal drs. ....D	...	Cream White, USP 300 lb bbls. ....D	.07 : .07 1/4	Second Hands ....D	...	...
Paraformaldehyde, USP 100 lb cs. ....D	.52 1/2 : .55	Lily White, USP, 300 lb bbls. ....D	.09 : .09 1/4	POTASH, CAUSTIC, solid 88-92% 700 lb drs. wks. ....D	.09	.09 1/2
Para-Nitroacetanilid, 300 lb bbls. ....D	.55 : .60	Snow White, USP, 300 lb bbls. ....D	.13 : .13 1/4	Imp., 88-92% 700 lb drs. NY. ....D	.08	.08 1/2
PARA-NITROANILINE, 300 lb bbls. wks. ....D	.74 : .75	PHENOL, see also acid carbollic		USP, by alcohol 5 lb cans. ....D	.46	.48
Para-Nitrochlorobenzene, 1200 lb drs. wks. ....D	.21 : .30	Open market, 950 lb drs. ....D	.55 : .60	cases ....D	.30	.35
Para-Nitro-ortho-Toluidine, 300 lb bbls. ....D	2.75 : 2.85	240 lb des drs. ....D	.55 : .60	POTASSIUM Acetate, USP, 100 lb kegs. ....D	.28	.29
Para-Nitrophenol, 185 lb bbls. ....D	.75 : .80	Natural 240 lb des drs. wks. ....D	...	Bicarbonate, crys. 220 lb bbls. ....D	.08	.09
Para-Nitrodimethylaniline, 120 lb bbls. ....D	1.25 : 1.30	Imported, 336 lb des drs. ....D	...	Bichromate, crys. 900 lb cases wks. ....D	.11 1/4	.11 3/4
Para-Nitrotoluene, 350 lb bbls. ....D	.55 : .65	Phenolphthalein, USP 100 lb drs. ....D	1.50 : 1.60	Powd., 900 lb cases wks. ....D	...	.13 1/2
Para-oxy-Benzaldehyde, 100 lb kegs. ....D	1.50 : 1.60	5 lb cans, 100 lb lots. ....D	1.55 : 1.60	Binexalate, 300 lb bbls. ....D	.33	.34
Para-Phenetidin, 500 lb drs. ....D	1.55 : 1.80	Phenylacetalddehyde, dom. 1 lb bot. ....D	9.00 : 11.00	Bisulfate, C.P. 5 lb cans. ....D	...	.30
		Imported ....D	12.00 : 14.00	100 lb kegs. ....D	...	.22
		Phenyl-Alpha-Naphthylamine 100 lb kegs. ....D	...	Bromate, 100 lb cs. ....D	...	.45
		Phenylethylalcohol, 1 lb bot. ....D	7.50 : 9.00	BROMIDE, USP cryst. 450 lb bbls. ....D	...	.26
		Imported ....D	9.50 : 12.00	Granular, 300 lb bbls. ....D	...	.26
		Phosgene, cylindersD	...	Cases 100 lbD27
		Phosphorus Oxichloride, 175 lb cyl.D	.35 : .40	Imported, USP, 220 lb cs.D	.18	.19

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Specifications on Request

Chemicals

POTASSIUM—(Continued)

CARBONATE, 80-85% calc.		
800 lb cks. ....	.06%	.07
80-85%, hydrated, 800 lb. cks. ....	.08	.08½
90-95% casks ....	.07	.07½
96-98% casks ....	.07½	.08
99% casks ....	.09½	.10
USP, 100 lb kegs. ....	.10	.11
Chlorate, crys. 112 lb kgs. c/l whs. ....	.08½	.08½
Imp. 112 lb kegs NY. ....	.07½	.08
Powd., 112 lb kegs whs. ....	.08½	.08½
Imp. kegs NY. ....	.07½	.08
Pyrotechnic, fine powd. NY. ....	.08	.09
USP, fine crys. 110 lb kegs NY. ....	.08	.09
Citrate, USP 10 lb cans. ....	.63	.66
Cyanide, 110 lb cases. ....	.45	.50
Glycerophosphate, 75% Soln. 25 lb tins.	1.65	1.70
Guaifacol Sulfonate, 5 lb cans. 10 lb.	1.60	1.75
Hypophosphite, 10 lb cans. ....	..	.85
Iodide, USP, 100 lb cases.	3.75	3.85
Second Hands, cases. ....	..	3.65
Lactophosphate, 4 oz bot. ....	..	.90
Metabisulfate, 300 lb bbls. ....	..	.23
Imp., 300 lb bbls. ....	.14	.16
Muriate, 80%, 200 lb bags, NY K ₂ O unit. ....	..	.68
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. ....	.40	.45
Perchlorate, 112 lb kegs. ....	.09	.10
Permangan, USP, crys. 112 lb drs. ....	.20	.21
Prussiate, red, 100 lb bbls. ....	..	.76
500 lb casks. ....	..	.72
Prussiate, yellow, 500 lb casks. ....	.36½	.37
Salicylate, 25 lb cans. ....	.70	.73

POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K ₂ O unit. ....	.93
USP, VIII, 100 lb kegs. ....	.18
Sulfocyanide, CP 25 lb jars. ....	.70
Tartrate, neutral, 100 lb kegs. ....	.53
Titanium Oxalate, 200 lb bbls. freight allowed. ....	.35
Pumice Stone, lump, 250 lb bbls. ....	.04½
Lump, bags. ....	.03½
Powdered, 350 lb bbls. ....	.02½
Pyridine, 50 gal. drums.	2.75 : 3.00
QUICKSILVER, see Mercury	
Quindine Alk., 100 oz tins. ....	.70 : .75
Sulfate, 100 oz tins. ....	.50
QUININE SULFATE, USP,	
American, 100 oz tins. ....	.50
100 tins, 100 oz lots. ....	.57
Dutch, 100 oz tins. ....	.50
Java, 100 oz tins. ....	.50
Japanese, 100 oz tins. ....	.50
QUININE ALK., USP, 100 oz tins.	
Acetate. ....	.88
Arsenate. ....	.88
Benzonate. ....	.88
Bisulfate, USP. ....	.50
Citrate. ....	.62
Dihydrate, USP. ....	.66
Dihydrate. ....	.66
Dicarbonate, 100 oz tins.	2.50
Ethyl Carbonate, 16 oz tins. ....	.95
Ferrocyanide. ....	.88
Formate. ....	.85
Glycerophosphate. ....	.88
Hydriodide. ....	.88
Hydrobromide, USP. ....	.62
Hydrochloride, USP. ....	.62
Hydrochlorosulfate. ....	.66

QUININE—(continued)

Hydride & Urea, USP. ....	.88
Hypophosphite. ....	.83
Lactate. ....	.78
Phenolsulfonate. ....	.88
Phosphate. ....	.74
Salicylate, USP. ....	.63
Tannate, USP. ....	.45
Tartrate. ....	.88
Valerate. ....	.89
Small Sizes: 1 oz vials or cans, 500z lots, 5c oz extra; 50z cans, 500z lots 3c oz extra; 250z cans, 500z lots, 2c oz extra; single 10z vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz lots in 100oz cans. Smaller orders or containers extra as above schedule.	
R SALT, 250 lb bbls. whs. ....	.55 : .70
Red Lead, see lead oxide	
Red Precipitate, see mercury.	
Resorcin, see resorcinol.	
Resorcinol tech. 100 lb kegs.	1.50 : 1.55
USP, 25 lb cans.	2.25 : 2.35
Rochelle Salt, USP, 225 lb bbls. ....	.. : .21
Imp. USP, 300 lb bbls. ....	.19½ : .20
Rosewater, triple, 5 gal. demis. ....	.90 : 1.10
Rotten Stone, lump imp., bbls. ....	.07 : .09
Lump selected, bbls.09 : .12
Powdered, bbls.02 : .05
Domestic, bags, mines.	24.00 : 30.00



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Chemicals

SACCHARIN, USP, 1 lb cans, 25 lb			Soap, Castile, 40 lb bxs.....lb			SODIUM ACETATE, crys 450 lb bbls		
Soluble, USP, 1 lb cans, 25 lb	1.90	: 2.00	Powd. USP, 250 lb bbls.....lb	.28	: .29	wks. ....lb	.05 1/4	: .05 1/4
Safrol, 60 lb cans .....	.55	: .60	Green, USP, 150 lb kegs.....lb	.07	: .07 1/4	Ton lots, bbls. wks.....lb	...	: .05 1/2
Sal Ammoniac, see Ammon. Chloride			Soapstone, see Talc, crude			Imp. 500 lb casks.....lb	.05 1/4	: .05 1/4
Salicin, USP, 1 lb cartons, 25 lb	5.00	: 5.25	Prices on soda alkalis are based on actual percentages and not N. Y. & L. test.			Aluminum Sulfate, see alum soda.		
Salol, USP, 100 lb drums.....lb	.85	: .90	SODA ASH, 58% light bags NY			Benzonate, USP, 250 lb bbls....lb	.65	: .71
Salt, Common, see sodium chloride.			flat, ex-warehouse .....100 lb	...	: 2.00	Bicarbonate, 400 lb bbls NY100 lb	...	: 2.25
Salt Cake, c/l f.o.b. wks.....ton	28.00	: 30.00	Bbls., ex-warehouse.100 lb	...	: 2.25	Bbls. c/l wks.....100 lb	...	: 2.00
SALT PETRE, Double Refined			Contract, Basis 48% bags c/l	...	: 1.20	112 lb kegs wks.....100 lb	...	: 2.25
Granular, 400-500 lb bbls,			wks .....100 lb	...	: 1.20	112 lb kegs, NY.....100 lb	...	: 2.50
c/l wks. ....lb	...	: .06 1/2	Prompt and spot, Basis 48% bags			Bichromate, 600 lb casks wks..lb	.08 1/4	: .08 1/4
Less c/l wks, bbls.....lb	...	: .06 3/4	c/l wks .....100 lb	1.25	: 1.30	Casks, c/l wks.....lb	...	: .08 1/4
Large Crystals, 350-400 lb bbls,			Soda Ash, 58% dense, bags ex-			Casks, NY .....lb	...	: .08 1/4
c/l wks. ....lb	...	: .08	warehouse, NY .....100 lb	...	: 2.07	Bisulfite, dry powder, 500 lb		
Small Crystals, 350-400 lb bbls,			Bbls., ex-warehouse.100 lb	...	: 2.30	bbls., wks. ....lb	...	: .04 1/2
c/l wks. ....lb	...	: .07 1/2	Contract, Basis 48% bags c/l	...	: 1.25	Solution, 32-40°, 500 lb bbls		
Powdered, bbls. c/l wks.....lb	...	: .07 1/2	wks .....100 lb	...	: 1.25	wks. ....100 lb	1.25	: 1.75
Imported, 500 lb bbls, NY....lb	...	: .07	Pmpt. and spot, Basis 48% bags			Bromate, 100 lb cs.....lb	...	: 1.05
Santonin USP, 1 lb bot.....lb	175.00	: 177.00	c/l wks .....100 lb	1.30	: 1.35	Bromide, USP, 500 lb bbls.....lb	...	: .25
Powd, 1 lb bot.....lb	176.50	: 178.50	SODA, CAUSTIC, 76% solid, reamle,			Cases, 100 lb .....lb	...	: .26
Saponin, ex Quillaja, 5 lb tins...lb	1.25	: 1.54	NY flat .....100 lb	3.50	: 3.60	Imp. USP, 112 lb cs.....lb	.21	: .22
Schaeffer's Salt, 250 lb bbls.wks..lb	.60	: .65	76% solid drs. ex-warehouse			Cacodylate, USP, 5 lb bot,		
Scopolamine, see hyoscyne.			NY .....100 lb	...	: 3.70	25 lb .....lb	5.25	: 6.25
Seidlitz Mixture, 225 lb bbls....lb	.17	: .18	Contract basis 60% c/l wks			Carbonate, sal soda, 350 lb bbls		
SILICA			100 lb .....lb	...	: 2.50	lc/l NY .....100 lb	1.30	: 1.35
Crude, bulk, mines.....ton	10.00	: 12.00	Pmpt. and spot, Basis 60%			Works c/l .....100 lb	1.10	: 1.30
Refined, floated, bags.....ton	18.00	: 30.00	c/l wks .....100 lb	2.57 1/2	: 2.60	Monohydrate, 400 lb bbl,		
Air floated, bags .....ton	32.00	: 50.00	Contract 60% low grade c/l			lc/l .....100 lb	...	: 2.45
Extra, floated, bags.....ton	55.00	: 65.00	wks flat .....100 lb	...	: 2.65	Pure photographic, 100 lb		
SILVER, metal, American.....cs	...	: .99 1/2	Ground & flake, 76% pmpt and			keg .....lb	.08	: .09
Foreign .....oz.	...	: .60 1/2	spot, wks c/l drs.....100 lb	...	: 3.65	Chlorate, 112 lb kegs, wks...lb	.06 1/4	: .07
Colloidal, 16 oz bot.....oz	...	: 2.80	Contract, 76% drums, c/l wks	...	: 3.60	Imported, 112 lb kegs.....lb	...	: .06 1/4
Silver Iodide, 16 oz bot.....oz	...	: .68	flat .....100 lb	...	: 4.15	Chloride, tech 200 lb bags.ton	12.00	: 15.00
Nitrate, USP, 200 oz bot.....oz	.44 1/2	: .45 1/2	USP, stick, 10 lb cans.....lb	.19	: .21	C. P. 300 lb bbls.....lb	.05	: .06
Nucleinate, 16 oz bot.....oz	.32	: .37	Pure, stick, by alcohol.....lb	.25	: .27	Citrate, USP, IX, 100 lb kegs..lb	...	: .62
Proteinates, 16 oz bot.....oz	.34	: .39				USP, VIII, 100 lb kegs...lb	...	: .55
						Cyanide, 96-98%, 100 lb cases		
						wks. ....lb	...	: .23
						Ton lots, wks.....lb	...	: .23
						73-76%, 100 lb cases, wks..lb	...	: .20 1/4
						Imp. 125%, 200 lb cases..lb	.21	: .22
						120%, cases .....lb	.19 1/4	: .20
						Fluoride, 350 lb bbls, NY imp. lb	...	: .09 1/4



Soda Ash

Modified Soda Bicarbonate of Soda

Caustic Soda Special Alkali

Textile Soda

Manufactured and Sold by

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GENERAL OFFICES - PITTSBURGH, PA.

Chemicals

SODIUM—(Continued)


Glycerophos, USP, crys 25 lb cans	1.70	1.75
Powder, 25 lb tins	1.75	1.80
Solution, USP 25 lb tins	1.00	1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb cys. lb 14 1/2% soln, 50 lb cys. lb .....	.05 1/4	.06
Hydroxide, 200 lb bbls, feb, wks. lb .....	.19	.22
Hypophosphite, USP, 25 lb cans lb .....		.75
HYPOSULFITE, tech. pea crys, 375 lb bbls. wks. 100 lb	2.90	3.30
Bbls. c/l wks. 100 lb		2.75
100 lb kegs wks. 100 lb	3.00	3.60
Granulated, bbls. wks. 100 lb	3.15	3.55
Bbls. c/l wks. 100 lb		3.00
Kegs wks. 100 lb	3.25	3.85
Regular crystals 100 lb	2.65	2.90
Iodide, USP, 25 lb jars		4.25
Metanilate, 150 lb bbls. lb .....	.55	.60
Naphthionate, 300 lb bbls. lb .....	.60	.62
Nitrate, crude, 95%, 200 lb bgs c/l NY		2.60
Futures, NY		2.60
Double Refined, 400 lb bbls gran. c/l wks. lb .....		.04 1/4
Nitrite, 500 lb bbls wks. lb .....	.09	.09 1/4
Bbls. spot, makers. lb .....		.09 1/4
Imp. 650 lb casks. lb .....		.08
Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls. wks. lb .....	.25	.27
Oxalate, neutral, 100 lb kegs. lb .....		.47
Perborate, 275 lb bbls. lb .....		.24
Imp., 225 lb drs. lb .....	.18	.19
Peroxide, 200 lb cases. lb .....	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. lb .....	.03 1/4	.03 1/2
USP, gran. 275 bbls. lb .....	.07	.07 1/4
Imp. gran. lb .....	.05 1/4	.06
USP, recrys 275 bbls. lb .....	.10	.11
Mono-sodium 100 lb kegs. lb .....	.24	.26
Tri-sodium tech. c/l, bbls. lb .....	.04 1/4	.05
Picramate, 100 lb kegs. lb .....		.60

SODIUM—(Continued)

Para-Toluene Sulfonate, 175 lb bbls .....	.08	.09
PRUSSIAN, yellow, 450 lb cks. lb 250 lb bbls. lb .....	.16 1/4	.17 1/4
Pyrophosphate, 100 lb kegs. lb .....	.18	.22
Salicylate, 100 lb kegs. lb .....	.47	.57
Second Hands, USP, kegs. lb .....	.48	.50
Silicate, 60° 700 lb bbls. f.a.s. NY		2.00
Works, 1000 lb drums. lb		1.90
Works, tanks. lb		1.75
40° domestic, 700 lb c/l f.o.b. wks. lb .....		.80
Works, 1000 lb drums. lb .....		.32 1/4
Works, tanks. lb .....		.75
Spot, drums, bbls. lb	1.25	1.50
Silicofluoride, 450 lb bbls. NY. lb .....	.07 1/4	.07 1/2
Sulphate, see Glauber's Salt.		
Sulfide, 60° solid, 650 lb drs lb/l wks. lb .....	.05	.05 1/4
Drs. c/l wks. lb .....		.04 1/4
Imp. 700 lb drs NY. lb .....	.04	.04 1/4
60% broken, 650 lb drs wks. lb .....	.05 1/4	.05 1/4
Imp, 500 lb drs NY. lb .....	.04 1/4	.04 1/4
30% crys. 400 lb bbls. wks. lb .....	.02 1/4	.02 1/4
Imp., 400 lb bbls. lb .....	.02 1/4	.02 1/2
Sulfite, crys, 400 lb bbls. wks. lb .....	.03 1/4	.03 1/4
Dessicated, 400 lb bbls. lb .....	.09 1/4	.10
Sulfocarbide, USP, 100 lb kegs .....	.36	.38
Sulfocyanide, 400 lb bbls. lb .....	.45	.47
Tungstate, crys 100 lb kegs. lb .....		.55
Dessicated, kegs .....		.65
olvent Naptha, see Naphtha.		
Sparteine Sulfate, USP, 25oz bulk. oz .....	.60	.70
Single oz. vial. oz. lb .....		.60
Starch, rice, 140 lb bags. lb .....	.09	.10

STRONTIUM Bromide, USP, 100 lb

kegs .....		.33
Carb. 600 lb bbls. wks. lb .....		.07
100 lb kegs wks. lb .....		.08
Iodide, USP, 25 lb jars. lb		4.00
Nitrate, 600 lb bbls. wks. lb .....		.13
Imp., bbls. NY. lb .....		.12 1/4
Salicylate, USP, 100 lb kegs. lb .....		.85
STRYCHNINE Alkaloid, USP, crys 100oz tins		1.15
Alk. powd, USP. lb		1.65
Acetate		1.05
Glycerophosphate, USP		1.05
Hydrobromide		1.05
Hydrochloride		1.05
Hypophosphite		1.15
Nitrate, USP		1.05
Phosphate		1.05
Sulfate, USP, crys powd. lb .....		.84
Saccharinate		2.15
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes; 1/2 oz vials, 50c extra; 1/4 oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk, USP, 200 lb bbls. lb .....	.21	.22
Second Hands, USP, bbls. lb .....	.23	.24
Sulfonal, see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bxs. lb		3.50
Sulfonethylethane, USP, bxs 5 lb. lb		4.50
SULFUR, crude, bulk, c/l NY. ton		19.00
Crude, f.o.b. mines. ton	14.00	15.00
Brimstone, 250 lb bgs, c/l NY. ton	1.75	1.95
Less c/l bags NY. 100 lb	1.85	2.10
Holl, 500 lb bbls c/l NY. 100 lb		2.15
Less c/l bags NY. 100 lb	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb bbls, NY	2.60	3.15



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SODA
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SODA ASH

CAUSTICIZED ASH

CAUSTIC SODA

MODIFIED SODA

Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY	1.35	1.65
For Dusting, 99%, 100 lb bgs NY	2.00	2.50
Flowers, 100%, 240 lb bbls NY	3.00	3.55
Precipitated, 125 lb bbls NY .....	.14	.16
Lac, 125 lb bbls NY .....	.07	.10
Sulfur Chloride, red, 700 lb drs wks .....	.05	.06
150 lb chys wks .....	...	.06
Yellow, 700 lb drs wks .....	.05	.06
150 lb chys wks .....	...	.06
Sulfur Dioxide, 100 lb cpl .....	.08	.08½
Iodide, USP, VIII, 5 lb bot .....	...	4.55
Sulfuric Ether, see Ether .....	...	...
Sulfuryl Chloride, 600 lb drs lb .....	...	.70
YALC, Italian, 220 lb bags NY	35.00	40.00
Refined, white, bags	42.00	55.00
French, 220 lb bgs NY	25.00	30.00
Refined, white, bags	32.00	45.00
Dom, crude, 100 lb bags NY	15.00	18.00
Refined, 100 lb bags NY	20.00	30.00
Tarlar Emetic, tech, 700 lb bbls lb .....	.27	.27½
USP, 300 lb bbls .....	.34½	.35½
Terpin Hydrate, USP, 100 lb kegs lb .....	.70	.72
Terpineol, CP 1000 lb drums .....	.50	.55
Cans, 50 lb .....	.55	.57
Imported, cans, 25 lb	1.00	1.25
Terpenyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls 100 lb No. 2, bbls	1.85	1.90
1.25	1.35	...
Theobromine Alk., 5 lb cans .....	...	6.00
and Sod. Salicylate, 1 lb bot .....	...	4.00
Thiocarbamid, 170 lb bbls .....	.28	.30
Thymol, USP, 10 lb cans	3.25	3.50
Iodide, 5 lb boxes .....	...	6.75
TIN, Metal Strals, NY .....	...	42.95
American standard, NY .....	...	43.75
99% American, NY .....	...	43.25
C.F. mossy, 25 lb bxs NY .....	...	...

Tin—(continued)

Bichloride, 50% soln 100 lb bbls wks .....	...	.13
Crystals, 500 lb bbls wks .....	...	.35½
100 lb kegs wks .....	...	.36
Oxide, 400 lb bbls wks .....	...	.50
100 lb kegs wks .....	...	.52
Tetrachloride, 1000 lb drs wks lb .....	...	.26½
Tolidine, 350 lb bbls .....	.95	.97
Sulfate, 350 lb bbls .....	...	1.00
Toluene, 8000 gal tank cars, wks gal .....	...	.30
110 gal drs wks .....	...	.35
Toluidine, Mixed, 900 lb drs wks lb .....	.31	.32
Tribromophenol, 100 lb cases .....	...	1.00
Trional, see Sulfonethymethane .....	...	...
Tripheyl Phosphate, 450 lb bbls lb .....	...	.45
Tripoli, 500 lb bbls	2.50	3.00
Tungsten NY	8.25	8.50
UREA, pharm 112 lb cases .....	...	.40
VANILLIN, USP, 400 oz cans .....	.40	.40½
Cans, 80 ozs .....	...	.40½
Cans, 16 ozs .....	...	.41½
Vermilion, Amer. 100 lb kegs .....	...	.35
English, kegs .....	...	1.30
Veratrine Sulfate, 1 oz vial .....	...	2.50
Hydrochloride, 1 oz vial .....	...	2.50
Veronal, see Acid Diethylbarbituric .....	...	...
WHITE LEAD, see lead, white .....	...	...
White Precipitate, see mercury .....	...	...
Whiting, 200 lb bags, c/l wks ton .....	...	18.00
Bags, 1/c l wks .....	...	20.00
Gilders, bags	13.50	15.00
French, bags, NY .....	...	18.00
Englab, bags, NY .....	...	23.00
Witch Hazel Extract, 50 gal bbls gal	1.20	1.25

XYLENE, 2° dist range, nitration

tk. wks. ....	...	...
110 gal. drs. NY .....	...	1.00
5° dist. range, 8000 gal tanks wks. ....	...	...
110 gal. drs. wks. ....	...	...
Commercial, 110 gal drs., wks gal Tanks, wks. ....	...	...
Xylidine, 900 lb drs .....	...	.47
YARA YARA, 1 lb tins	2.00	2.50
Yohimbin Hydchloride, 1 oz. vial. oz	5.00	5.50
ZINC, METAL, high grade, slabs c/l NY .....	...	8.50
Common Slabs, c/l NY	6.50	6.85
Mossy, 25 lb bxs NY .....	...	.10
Ammonium Chloride, powd., 400 lb bbls .....	.07½	.08
Carb. tech, 150 lb kegs NY .....	.14	.16
USP, 100 lb kegs .....	...	.30
Chloride, fused, 600 lb drs wks lb .....	...	.06
Drs. c/l wks .....	...	.08½
Imp. drs NY .....	.06	.06½
Granulated, 500 lb bbls wks lb .....	.08	.09
Imported, drs. NY .....	.06½	.07
USP, 25 lb jars .....	...	.30
Cyanide, 100 lb drs .....	.42	.43
Dust, 100 lb tins wks .....	.10½	.11
500 lb bbls, kegs, c/l wks lb .....	...	.10
500 lb bbls, kegs, c/l wks lb .....	...	.09½
Iodide, 5 lb bolts .....	...	5.30
Nitrate, 25 lb jars .....	...	.35
Oxide, Amer. 300 lb bbls wks. lb .....	.07½	.08
Bbls c/l wks .....	...	.07½
French, 300 lb bbls wks .....	.09½	.11½
Bbl c/l wks .....	.09½	.11½
Bags, c/l wks .....	.09½	.10½
USP, 100 lb bbls., c/l .....	...	.15½
Ton lots, wks .....	...	.16½
Imported, white seal, bbls .....	...	.12½
Green seal, bbls .....	...	.10
USP, 100 lb bbls .....	.15	.17
Stearate, USP, 60 lb bbls .....	...	.23
Sulfate, 400 lb bbls wks03½	.03½
Bbls c/l wks02½
USP, 100 lb kegs08	.09
Sulfocarbonate, 100 lb kegs lb35	.37

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DOUBLE REFINED CRYSTALS
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Oils and Fertilizers

Oils

Castor, No. 1, 400 lb bbls....lb	.14%	.15
80 lb cases.....lb	.15%	.16
No. 2, bbls.....lb	.14	.14%
Blown, 400 lb bbls.....lb		.15%
China Wood, bbls., spot NY....lb		.36
8000 gal. tks. NY.....lb		.25
May-June forward, shipment....lb		.24
Coast, tanks, July forward....lb		.24
Coconut Ceylon, 375 lb bbls. NY..lb		.10%
8000 gal. tks. NY.....lb		.08%
Cochin, 375 lb bbls. NY.....lb		.11%
Tanks, NY.....lb	.08%	.08%
Manila, tanks, Coast.....lb		.08%
Edible, bbls. NY.....lb	.11	.11%
Cod Newfoundland, 50 gal. bbls. gal	.70	.74
Tanks, NY.....lb		.08
Copra, bags.....lb		.13%
Corn, ref. 375 lb bbls. NY.....lb		.10
Crude, tanks mills.....lb		.13
Bbls. NY.....lb		.09%
COTTONSEED, crude tks. mills..lb		.11
P. S. Y. 100 bbl. lots NY.....lb		.11%
White, 100 bbl. lots NY.....lb		.11%
Winter yellow, 100 bbls. NY..lb		.04%
Degras, Amer. 50 gal. bbls. NY..lb		.04%
English, bbls. NY.....lb	.04%	.04%
Neutral, bbls. NY.....lb	.09	.14
Grease, choice white bbls. NY....lb		.08%
Yellow.....lb		.07%
Brown.....lb		.07%
House.....lb		.07%
Bone naphtha.....lb		.06%
Herring, Tanks, Coast.....gal	.09	.09%
Horse, 375 lb bbls. NY.....lb		.12%
Lard, prime steam bbls.....lb		.13%
Compound, bbls.....lb		.14%
LAND OIL, Edible prime, bbls..lb		.13%
Off prime, bbls.....lb		.13
Extra No. 1, bbls.....lb		.12%
No. 1 bbls.....lb		.12
No. 2 bbls.....lb		.11%

LINSEED, raw c/l bbls. spot....gal	1.14	1.17
Five bbls., raw.....gal	1.17	1.19
Boiled, 5 bbl. lots.....gal	1.20	1.20
Double boiled 5 bbl. lots.....gal	1.17	1.17
Raw, 1c/l bbls.....gal	1.17	1.13
May-June, c/l bbls.....gal	1.17	1.07
July, Aug., Sept., c/l bbls..gal	1.10	1.12
Imported, bbls., NY.....gal		.55
Menhaden, crude, bbls. wks....gal		.50
Crude, tanks wks. Balt.....gal		.80
Light strained, tanks.....gal		.80
Light strained, bbls. NY.....gal		.89
Yellow bleached, bbls. NY....gal		.95
Blown, bbls. NY.....gal		.16%
Neatsfoot, 20° c.t. bbls. NY....lb	.15%	.15%
30° cold test, bbls. NY.....lb		.14%
Prime, bbls. NY.....lb		.14
Olco Oil, No. 1, bbls. NY.....lb		.11%
No. 2, bbls., NY.....lb		.10%
No. 3, bbls., NY.....lb	1.17	1.20
OLIVE, denatured bbls. NY....gal	1.80	2.20
Edible, bbls., NY.....gal		.09%
Foots, bbls. NY.....lb		.09%
Shipment.....lb		.08%
Palm Lagos, 1500 lb casks.....lb		.07%
Niger casks.....lb		.07%
Bonny old Calabar, casks.....lb		.09%
Palm Kernel, 1500 lb casks NY..lb		.16%
Peanut, refined bbls. NY.....lb		.15%
Crude, mills buyers' tks.....lb		.13
Crude, bbls. NY.....lb		.17
May Arriv. f.o.b., NY bbls...lb		.15%
Perilla, bbls. NY.....lb		.15%
May-June, ship. bbls. NY....lb		.85
Poppyseed, bbls. NY.....gal		1.05
Rapeseed, refined bbls. NY....gal		.11
Blown, bbls. NY.....gal		.11
Red Oil, distilled, bbls.....lb		1.05
Saponified, bbls.....lb		.45
Salmon, 8000 gal. tks. Coast..gal		
Sesame, domestic edible bbls...gal		
Sod Oil, bbls. NY.....gal		

SOYA BEAN, crude tks. Coast..lb		.10%
Crude, Tks. D.P., NY.....lb		.10%
Crude, bbls. NY.....lb		.13%
Refined, bbls. NY.....lb		.99
Sperm, 38° c. t. bldd. bbls. NY.gal		.94
45° cold test, bldd. bbls. NY.gal		.13%
STEARIC ACID, s. p. 200 lb bags..lb		.14
Double pressed, bgs.....lb		.14%
Double pressed, bgs., saponified..lb		.14%
Triple pressed, bgs., distilled..lb		.15
Triple pressed, bgs., saponified..lb		.15%
Stearine, oleo, bbls.....lb		.10
Lard, bbls.....lb		.13
Tallow, edible, tierces.....lb		.10%
City extra, loose.....lb		.05
Tallow Oil, acidless tks. NY....lb		.12
Bbls., c/l NY.....lb		
Teaseed, crude bbls. NY.....lb		.14
Walnut, crude bbls. NY.....lb		.79
Whale, nat. winter bbls. NY....lb		.81
Bldd. winter bbls. NY.....gal		.83
Extra Bldd. bbls. NY.....lb		
Crude, No. 1, tanks Coast.....lb		
Crude, No. 2, tanks Coast.....lb		
Crude No. 3, tanks Coast.....lb		

Fertilizer Materials

Ammon. Sulf. bulk wks.....100 lb		3.40
Double bgs. f.a.s. NY....100 lb		3.75
Blood, dried f.o.b. NY.....unit		3.60
Bone, 3 & 50 ground steamed..ton		28.00
Raw, Chicago.....ton		30.00
Cyanamide wks.....unit	2.20	2.25
Fish Scrap, dried wks.....unit		2.60
NITRATE SODA, NY.....100 lb		2.57%
Phosphate Rock, f.o.b. mines..ton	3.25	5.50
Florida pebble, 68-78%.....ton	3.25	3.40
Tennessee, 70-75%.....ton		9.50
Phosphate Acid, 16% Bulk wks..ton		.68
Potassium Muriate, 80%.....unit		.93
Sulfate.....unit		35.00
Steamed Bone Meal, NY.....ton		3.50
Tankage, ground NY.....unit		3.00
High grade f.o.b. Chicago..unit		



NITRIC ACID, C. P.

Spec. Grav. 1.42 7 lbs.

THE STANDARD OF PURITY

Acidity	70% HNO ₃
Fe	.00002%
H ₂ SO ₄	.00006%
Iodine	"Nil"
As	"Nil"
Cl	"Nil"
Nonvolatile	.0002

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Tannins and Dyestuffs

Naval Stores

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Spirits Turpentine, bbls.....gal	1.08
Wood Turpentine, atm. distd. bbls.gal	1.00
Destructive distilled, bbls.....gal	.75
Pitch, prime.....bbl	6.00
Resins. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)	
R.....280 lb	6.10
D.....280 lb	6.10
F.....280 lb	6.10
E.....280 lb	6.10
G.....280 lb	6.10
H.....280 lb	6.10
I.....280 lb	6.10
K.....280 lb	6.15
M.....280 lb	6.25
N.....280 lb	6.50
WG.....280 lb	6.80
WW.....280 lb	7.95
Rosin Oil, first run, 50 gal. bbls.gal	.48
Second run, bbls.....gal	.48
Tar, kiln-burnt.....bbl	13.00
Retort.....bbl	12.50

Woods

Barwood, chips.....lb	.04½ : .05
Camwood, chips.....lb	.09 : .13
Divi Divi, pods 100-200 lb bags.ton	38.00 : 40.00
Fustic, sticks.....ton	30.00 : 35.00
Chips.....lb	.04 : .06
Hemlock, bark.....ton	16.00 : 18.00
Hyperic, chips.....lb	.06½ : .07
LOGWOOD, sticks.....ton	23.00 : 30.00
Chips 150 lb bags.....lb	.02½ : .03
Mangrove bark, African.....ton	35.00
Bark, South American.....ton	30.00

Myrobalans, 150 lb bags J1.....ton	35.00
B1.....ton	35.00
R2.....ton	27.00
Nutgalls, see Crude Drugs.	
Oak bark, whole.....ton	20.00 : 23.00
Ground.....ton	25.00
Quercitron bark, rough.....ton	20.00 : 25.00
Ground.....ton	20.00 : 25.00
Sumac, Sicily, 160 lb bags.....ton	88.00
Virginia, 150 lb bags.....ton	35.00
Valonia Cups, 28-33% tan.....ton	34.00 : 36.00
Beard, 40% tan, 150 lb bgs.ton	56.00 : 60.00
Wattle bark, 150 lb bags.....ton	38.00 : 40.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.26 : .29
Archil, double 600 lb bbls.....lb	.16 : .18
Triple, 600 lb bbls.....lb	.17 : .19
Cone, 600 lb bbls.....lb	.18 : .20
Chestnut, clarified, 25% tks. wks.ton	2.25
Bols, wks.....lb	2.75
Powd., 80% 100 lb bbls. wks.lb	.05½ : .08½
Decolorized, bbls. wks.....lb	.09 : .09½
Cudbear, English.....lb	.21 : .23
Cutch, Rangoon, 100 lb bales.....lb	.13 : .16
Borneo, solid, 100 lb bales.....lb	.04½ : .05½
Liquid, 450 lb bbls.....lb	.10 : .11
Tablets, 120 lb boxes.....lb	.13 : .14
Flavine.....lb	.90 : .95
Fustic, solid 50 lb boxes.....lb	.14 : .18
Crystals, 100 lb boxes.....lb	.22 : .24
Liquid, 51°, 600 lb bbls.....lb	.10 : .14
Gal extract.....lb	.16 : .18
Gambler, 25% liq. 450 lb bbls.....lb	.08½ : .09½
Common, 200 lb cases.....lb	.10½ : .11
Singapore cubes, 150 lb bags.....lb	...
NEMATINE, Paste, 500 lb bbls.....lb	.11½ : .13½
Crystals, 400 lb bbls.....lb	.16 : .20
Hemlock, 25% 600 lb bbls. wks.lb	.03½ : .03½
Hyperic, 51°, 600 lb bbls.....lb	.15 : .20
Indigo, Madras bbls.....lb	.85 : .90
Madia, bbls.....lb	1.30

Larch, 25%, 600 lb bbls. wks. lb	.03½ : .03½
Powd. 100 lb bags, wks.....lb	.07½ : .08
Logwood, 51°, 450 lb bbls.....lb	.07½ : .12½
Solid, 50 lb boxes.....lb	.15 : .21
Madder, Dutch, 400 lb bbls.....lb	.25 : .30
Mangrove, 55% 400 lb bbls.....lb	.05½ : .05½
Myrobalans, 25% liquid bbls.....lb	.04 : .05
50% solid, 50 lb boxes.....lb	.04½ : .05
Oak, tanks wks.....lb	.04 : .04½
23-25% liq. 600 lb bbls. wks. lb	.05 : .05½
Osage Orange, 50° liquid.....lb	.07 : .08
Powd. 100 lb bags.....lb	.15 : .16
Persian Berries.....lb	.27 : .30
QUEBRACHO, 35% liquid tks. lb	.03½ : .04
450 lb bbls.....lb	...
35% bleaching, 450 lb bbls.....lb	.04½ : .05½
Solid 65% 100 lb bales.....lb	.05 : .05½
Clarified bales.....lb	...
Quercitron, 51° 450 lb bbls.....lb	.06½ : .07½
Powdered, 100 lb boxes.....lb	.09 : .13
Spruce, 25% liquid tanks wks. lb	.01 : .01½
Powd. 50% 100 lb bags wks. lb	.02 : .02½
Sumac, liquid 450 lb bbls.....lb	.07 : .09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. lb	.90 : 1.00
Blood, domestic, 100 lb drs. lb	.45 : .55
Sago Flour, 150 lb bags.....lb	.04½ : .05
British Gum, 140 lb bags c/l 100 lb	4.09 : 4.19
Bags, lc/l.....100 lb	4.19 : 4.39
Dextrin, corn 140 lb bags c/l 100 lb	3.74
Bags, lc/l.....100 lb	3.84
Yellow, bags, c/l.....100 lb	3.79
Potato 140 lb bags c/l.....100 lb	...
Bags, lc/l.....100 lb	.07½ : .08½
Taploca, 200 lb bags, lc/l.....100 lb	...
Prussian blue.....lb	.60 : .62
Spray Yolk 150 lb cs.....lb	.35 : .55
STARCH, powd. 140 lb bgs.c/100 lb	3.07
Bags lc/l.....100 lb	3.17
Pearl, 140 lb bags c/l.....100 lb	2.97 : 3.07
Potato, domestic, 200 lb bags.....lb	.04½ : .05
Imported, bags duty paid.....lb	.05½ : .05½
Taploca Flour, high grade bags.....lb	...
Medium grade, bags.....lb	.05½ : .06
Low grade, bags.....lb	.04½ : .04½
Turkey Red Oil, bbls.....lb	.11 : .12
Yolk Oil, bbls.....lb	...

Dyelene Azo Yellow

Dyelene Metanil Yellow

Dyelene Bismark Brown R

Dyelene Bismark Brown R S (Yellowish Shade)

Dyelene Naphthol Green B

Dyelene Cloth Scarlet G

Dyelene Cloth Red G

Dyelene Cloth Red B

Dyelene Fast Acid Yellow G

Dyelene M. T. D. (Meta Toluylene Diamine)



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Para Nitrotoluene
Dinitrotoluene

Mixed Toluidine
Ortho Toluidine
Para Toluidine



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Crude Drugs

Accroides Gum, yel.	lb.	.18	.20
ACONITE Leaves, bales.	lb.	.16	.17
Aconite Root, USP, bags.	lb.	.35	.40
Agar Agar, 1, 200 lb bales.	lb.	1.50	
No 2, bales.	lb.	1.35	
No. 3, bales.	lb.	1.25	
Agaric, white, cases.	lb.	..	..
Almonds, bitter bags bxs.	lb.	.32	.35
Sweet, bags	lb.	.45	.46
Meal, tins, boxes.	lb.	.38	.30
Aletris Root, bags.	lb.	.60	.62
Alkanet Root, bags.	lb.	.08	.10
Aloes, Barbadoes, 120 lb bbls.	lb.	.65	.70
Cape, 400 lb cases.	lb.	.12	.14
Curacao, 100 lb cases.	lb.	.08	.08½
Socotrine, whole 100 lb cs.	lb.	.30	.32
Althea Root, cut cases.	lb.	.18	.20
Whole bags	lb.	.09	.10
Ambergris, black boxes.	cs.	..	8.00
Grey, boxes	cs.	..	28.00
Ammoniac, tears, bags.	lb.	1.35	1.40
Angelica Root, dom. bags.	lb.	.14	.15
Angostura Bark, bags.	lb.	.08	.10
Anise, Levant bags.	lb.	.17	.17½
Star, cases	lb.	.14	.15
Spanish, bags	lb.	.28	.29
Anatto Seed, bags	lb.	.11½	.12
ARABIC GUM,			
White, No. 1, 200 lb bags.	lb.	.26	.28
Seconds, 250 lb bags.	lb.	.24	.26
Sorts, amber, 200 lb bags, bbls.	lb.	.15½	.16
Powd., USP, 300 lb bbls.	lb.	.22	.23
Arca Nuts, 150 lb bags.	lb.	..	.09
Powd., 200 lb bbls.	lb.	..	.12
Arnica Flowers, bales	lb.	.09	.10
Root, bags	lb.	.20	.22
Arrowroot, Amer. powd. bbls.	lb.	.06½	.09½
St. Vincent, powd. bbls.	lb.	.14	.15
Asafetida, USP, 250 lb cases.	lb.	.32	.35
Powd., 50 lb bxs.	lb.	.55	.60
BALM GILEAD BUDS, bags.	lb.	.40	.45
Balmory Herb, bales.	lb.	..	.14

BALSAMS

Copaiba, Para, 80 lb cs.	lb.	.23	.25
South American, 80 lb cs.	lb.	.28	.29
Fir Canada, cans	gal	13.00	14.00
Oregon, bbls., cans.	gal	4.00	4.25
Peru, 120 lb cases.	lb.	1.70	1.80
Tolu, 90 lb cases.	lb.	1.00	1.10
Bamboo Brier Root, bags.	lb.	.06	.07
Barberry Bark, tree bales.	lb.	.22	.24
Bayberry Bark, bales.	lb.	.09	.10
Wax, bbls.	lb.	.50	.55
Belladonna Leaves, bales.	lb.	.16½	.17
Root, bags	lb.	.12	.13
Bee Wax, white bbls.	lb.	.36	.37
Yellow, refined bbls.	lb.	.23	.26
Crude, bags	lb.	.20	.22
Benzoin Gum, Siam, boxes.	lb.	1.15	1.20
Sumatra, 80 lb boxes.	lb.	.80	.82
Berberis Aquifolium Root, bags.	lb.	.16	.17
Beth Root, bags	lb.	.22	.25
Blackhaw Bark, root, bales.	lb.	.38	.40
Tree, bales	lb.	.24	.25
Blood Root, bags.	lb.	.13	.15
Blueflag Root, bags.	lb.	.23	.25
Boldo Leaves, bales	lb.	.20	.21
Bonest Herb, bales.	lb.	.08	.10
Borage Flowers, bales.	lb.	.25	.27
Bryonia Root, bags.	lb.	.10	.11
BUCHU LEAVES, short, 250 lb			
bales	lb.	1.00	1.06
less, bales	lb.	1.03	1.05
Long, bales	lb.	..	..
Buckthorn Bark, bales.	lb.	.07	.08
Burdock Root, bags	lb.	.20	.22
Burgundy Pitch, dom. 110 lb stands			
Gross for net.	lb.	..	.05
Calabar Beans, bags.	lb.	.13	.14
Calamus Root, bleached cases.	lb.	.42	.47
Unbleached, bags	lb.	.07	.08
Calendula Petals, imp. bales.	lb.	..	.30
Calisaya Bark, bales.	lb.	.15	.16
Camphor, see Chemicals			
Canary Seed, Morocco bags.	lb.	.06	.06½
South American, bags.	lb.	.05½	.05½
Candella Wax, bags.	lb.	.27	.30
Canella Alba Bark, bales.	lb.	.51	.53
Cannabula, true imp. bags.	lb.	..	.575
American (no assay) bales.	lb.	.90	1.00

Cannabis, USP, bales.	lb.	..	2.00
Cantharides, Chinese cases.	lb.	1.05	1.10
Powd., boxes	lb.	1.25	1.35
Cantharides, Russian, cases.	lb.	1.75	1.90
Powdered, boxes	lb.	1.90	2.00
Caraway Seed, African bags.	lb.	..	.27
Jutch, 110 lb bags.	lb.	.31	.32
Cardamom bleached cases.	lb.	1.40	1.75
Decorticated, cases	lb.	1.15	1.25
Green, grinding, bags.	lb.	1.05	1.10
Carnauba Wax, Flor. bags.	lb.	.45	.48
No. 1 N Country bags.	lb.	.40	.43
No. 2 N Country bags.	lb.	.23	.25
No. 3 Fatty Gray, bags.	lb.	.20	.21
No. 3 Chalky, bags.	lb.	.16½	.17
Cascara Amarga, 150 lb bales.	lb.	.30	.32
Cascara Sagrada, bales	lb.	.14	.15
Cascarilla Bark, quills bales.	lb.	.30	.35
Siftings, bbls.	lb.	.20	.25
Cassia Buds, 66 lb cases.	lb.	.15	.16
China, select, mats cases.	lb.	.09½	.08
Saigon, assort. bales.	lb.	.24	.27
Cassia Fistula, baskets.	lb.	..	.12
Castor Beans, bags.	lb.	.03	.03½
Castoreum, 1 lb bot.	lb.	4.00	4.50
Catechu Gum, bags.	lb.	.09	.10
Catnip Herb, bales.	lb.	.12	.15
Celery Seed, 220 lb bags.	lb.	.23	.24½
Cereus Wax, white bags.	lb.	.08½	.09
Yellow, 200 lb bags.	lb.	.07½	.08
CHAMOMILE FLOWERS, Roman			
bales	lb.	1.20	1.25
Hung. cases bales	lb.	.15	.15½
Charcoal Willow, powd. bbls.	lb.	.06	.06½
Wood, powd. bbls.	lb.	.04	.05
Chestnut Bark, bags.	lb.	.07	.08
Herb, bales	lb.	.06	.06½
Chicle Gum, bags.	lb.	.75	1.00
Chiretta, bales	lb.	.10	.12
Cinchona Bark, red quills bales.	lb.	.50	.55
Broken, bales	lb.	.19	.20
Cinnamon, Ceylon, bales, bond.	lb.	.20	.22
Civet, Abyssinia horns.	lb.	2.75	3.75
Clover Tops, bags	lb.	.14	.15
Cloves, Zanzibar, 135 lb bales.	lb.	.26½	.28½
Amboyna, bales	lb.
Penang, bales	lb.

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Cochineal, USP boxes.....D	.40	: .45	Dogwood Bark, Jamaica bags....D	.13	: .14	Grindelia Robusta Herb, bales...D	.09	: .10
Coca Leaves, Huancabo bags....D	...	...	Flowers, bales.....D	...	: .15	Gualac Gum, 80 lb cases.....D	.35	: .37
Truxillo, bags.....D	.40	: .45	Doggrass Root, USP, cut bags....D	.12	: .15	Guarana, tins, cases.....D	.60	: .75
Cohosh Root, Black bags.....D	.09	: .09 1/2	Dragons Blood, mass cases.....D	.60	: .62	GUM, see Arable Gum, etc.		
Blue, bags.....D	.10	: .11	Reeds, boxes.....D	1.40	: 1.45	HELLEBORE ROOT,		
Colehitum Root, bags.....D	.08	: .09	ECHINACEA ROOT, bags.....D	.33	: .34	Black, pvd. bbls.....D	.08	: .10
Seed, bags.....D	.10	: .11	Elicampagne Root, bags.....D	.08 1/2	: .09	White, bags.....D	.14	: .15
Colombo Root, whole bags.....D	.02	: .04	Elder Flowers, bales.....D	.19	: .20	Powdered, 250 lb bbls.....D	.16	: .17
Colocynth, apples, cases, bales...D	.17	: .22	Elemi Gum, 89 lb cases.....D	.10	: .11	Helonia Root, (unicorn false)		
Pulp, USP, bales.....D	.55	: .57	Elm, select, 5 lb bundles cases..D	.25	: .26	bags.....D	...	: .65
Coltsfoot Leaves, bags.....D	.06	: .07	Grinding, bags.....D	.10	: .12	Hemp Seed, Manchurian bags....D	.03 1/2	: .04
Comfrey Root, bags.....D	.13	: .14	Powdered, bbls.....D	.16	: .17	Chilian, bags.....D	...	: .45
Condurango Bark, bales.....D	.14	: .15	ERGOT, 150-200 lb bags.....D	.52	: .55	Henbane Leaves, bales, U.S.P....D	.40	: .45
Conium Seeds, bags.....D	...	: .16	Encalyptus Leaves, bales.....D	...	: .05	No assay.....D	.34	: .36
Copaiba Balsam Para, see Balsams			Euphorbia Pitulifera Herb, bags..D	...	: .20	Henna Leaves, bales.....D	.16	: .18
Copal Gum.....D	.12	: .15	Euphorbium Gum, cases.....D	...	: .32	Powdered.....D	.20	: .21
Coriander Seed, Bombay bags...D	.10	: .11	Powdered, boxes.....D	...	: .40	Honey, Calif., 120 lb cases.....D	.10	: .10 1/2
Morocco, bags.....D	.11	: .12	Fennel Seed, French, bags.....D	.17 1/2	: .18	Hops, N. Y. prime bales.....D	.18	: .20
Bleached, bags.....D	.15	: .15 1/2	German, bags.....D	.21	: .22	Pacific Coast prime bales.....D	.16	: .18
Corn Silk, bales.....D	.05	: .05 1/2	Indian, bags.....D	.13 1/2	: .15	Horehound Herb, bales.....D	...	: .11
Cotton Root Bark, bales.....D	.30	: .35	Flax Seed, whole 180 lb bbls....ea	13.00	: 13.50	Horetail Rush, bags.....D	...	: .18
Cramp Bark, so-called bales.....D	...	: .08	Ground, 180 lb bbls.....D	.07 1/2	: .08	India Gum, see Karaya		
True, bags.....D	...	: .40	Foenugreek Seed, 200 lb bags....D	.07	: .08	INSECT FLOWERS, open whole		
Cranesbill Root, bags.....D	.10	: .11	Fish Berries, 100-125 lb bags....D	.03 1/2	: .04	bales.....D	...	: .72
CUBE BERRIES, XX bags.....D	.82 1/2	: .85	Fringe Tree Bark, bags.....D	.17	: .18	Closed whole, bales.....D	...	: .72
Powdered, boxes.....D	...	: .85	GALANGAL ROOT, bags.....D	.08	: .09	Powdered, pure 200 lb bbls....D	.67	: .72
Culvers Root, bags.....D	.28	: .30	Gambler Gum, bags.....D	.09 1/2	: .10 1/2	Flowers and stems, 50 p. c.		
Cumin Seed, Levant bags.....D	...	...	Galbanum Gum, cans.....D	1.20	: 1.35	200 lb bbls.....D	.42	: .43
Morocco, bags.....D	.26	: .28	Gamboge Gum, 160 lb cases.....D	1.05	: 1.17	Ipecac Root, Cartagena, bags....D	1.80	: 1.90
Cuttlefish Bone, Trieste, straps..D	.16	: .18	Powdered, cases.....D	1.15	: 1.20	Powdered, 200 lb bbls. boxes..D	1.95	: 2.00
Jewelry, large, straps.....D	...	: .55	Gelsemium Root, bags.....D	.11	: .11 1/2	Rio Whole, bags.....D	1.80	: 1.90
Small, straps.....D	...	: .35	Gentian Root, bags.....D	.09	: .09 1/2	Powdered, 200 lb bbls. boxes..D	1.95	: 2.00
French, straps.....D	.17	: .19	Ginger, African, bags.....D	.15	: .16	Isinglass, American, 150 lb cs....D	.65	: .70
Powdered, boxes.....D	...	: .13	Jamaica, grinding, bags bbls....D	.37	: .44	Russian, (Beluga) bxs chgs....D	8.50	: 9.00
Broken, boxes.....D	.07	: .08	Japan, bags.....D	...	: .15 1/2	JABORANDI LEAVES, bales.....D	.20	: .22
Damar Gum, 136 lb cases.....D	.32	: .34	Cochin. ABC & lemon, bags....D	.15 1/2	: .16	Jalap Root, whole, 150 lb bags..D	.31	: .35
Damiana Leaves, bales.....D	.11	: .12	Ginseng Root, cultivated, bags...D	8.00	: 10.00	Powdered, USP, 250 lb bbls....D	.40	: .42
Dandelion Root, Imp., bags.....D	.14	: .16	Northwestern Wild, bags.....D	14.00	: 15.00	Japan Wax, 224 lb cases.....D	.15	: .17
Deer Tongue Leaves, bales.....D	.07 1/2	: .08	Southern Wild, bags.....D	10.00	: 12.00	Job's Tears, white bags.....D	.08	: .09
Digitalis Leaves, bales.....D	.08 1/2	: .08	Golden Seal Root, bags.....D	...	: 3.45	Juniper Berries, 125 lb bags....D	.03	: .03 1/2
Dill Seed, bags.....D	.09 1/2	: .10	Powdered, boxes.....D	3.55	: 3.65	KAMALA, boxes.....D	2.60	: 2.75
			Grains of Paradise, bags.....D	.12	: .14	Karaya Gum, powdered, bbls....D	.15	: .20
						Kava Kava Root, bags.....D	.17	: .18
						Kino Gum, black cases.....D	.50	: .55
						Kola Nuts, 150 lb bags.....D	.04 1/2	: .05
						Koussou Flowers, bags.....D	2.25	: 2.50

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LADY SLIPPER ROOT, bags....lb	.50	.52	Musk, pods Cabardine, tins....oz	16.00	17.00	Patchouli Leaves, bales.....lb	.22	.25
Larkspur Seed, bags.....lb	.35	.37	Tonquin.....oz	22.00	25.00	Pepper, black Sing, bags.....lb	.11	.11½
Laurel Leaves, bales.....lb	.05	.05½	Grain Cab.....oz	25.00	26.00	White, bags.....lb	.14	.14½
Lavender Flowers, Ordinary....lb	.25	.32	Tonquin.....oz	35.00	38.00	Peppers, red Mombasa bags....lb	.26	.27
Selected.....lb	.31	.33	Synthetic, see Chemicals			Cherries, bags.....lb	.16½	.17
Leeches, tubs.....Per 100	7.00	7.50	Musk Root, Russian bags.....lb	...	...	Bombay, bags.....lb	.14½	.15
Lemon Peel, bags.....lb	.09	.10	Mustard Seed, Bari brown bags..lb	.08½	.09	Japan, bags.....lb	.28	.30
Licorice Root, Russian whole....lb	.09	.09½	Bombay, brown.....lb	.07	.08	Pennyroyal Herb, bales.....lb	.08	.12
Spanish, natural bales.....lb	.09	.09½	California, brown.....lb	.09	.09½	Peppermint Leaves, Imp. bales..lb	...	.35
Powdered, bbls.....lb	.10	.11	Yellow.....lb	...	.09	Domestic leaf.....lb	.27	.29
Selected, 2 & 5 lb bundles....lb	.17	.20	Chinese, yellow.....lb	.04	.04½	Peru Balsam, see Balsams		
Cuttings, 125 lb bags.....lb	.07½	.08	English, yellow.....lb	.08½	.09	Pichi Leaves, bags.....lb	.23	.25
Life Everlasting Herbs, bales....lb	.05	.06	Dutch, yellow.....lb	.09	.09½	Pimento, select bags.....lb	.04½	.04½
Lime Juice, clarified bbls.....gal	.50	.60	Danish, yellow.....lb	.08½	.09	Pink Root, true bags.....lb	...	1.20
Linden Flowers, with leaves, baleslb	.18	.20	Myrrh Gum, select 200 lb cs....lb	.38	.40	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales.....lb	.35	.38	Sorts, cases.....lb	.36	.38	Pleurisy Root, bags.....lb	...	.22
Liverwort Leaves, bales.....lb	.20	.22	NUTGALLS, Chinese bags.....lb	.15	.16	Plantain Leaves, bales.....lb	...	.15
Lobelia Herb, bales.....lb	.20	.21	Aleppy, bags.....lb	.14	.15	Poke Berries, bags.....lb	...	.15
Lobelia Seed, bags.....lb	.55	.60	Nutmegs, 110s cases.....lb	.24	.25	Poke Root, bags.....lb	...	.07
...	...	...	75s, 80s cases.....lb	.26	.27	Pomegranate Bark, of root bags..lb	...	.30
Lovage Root, Imported, bags.....lb	...	.25	Nux Vomica Buttons, bags.....lb	.08½	.07	Of Fruit, bags.....lb	...	.30
Lupulin, boxes.....lb	1.40	1.50	Powdered, 200 lb bbls.....lb	.10½	.11	Of tree.....lb	...	.30
Domestic.....lb	1.30	1.40	OAK BARK, red bags.....lb	.05	.06	Poppy Flowers, red bags.....lb	.30	.35
Lycopodium, 88 lb cs.....lb	.44	.46	White, bags.....lb	.06	.07	Poppy Seed, Dutch, bags.....lb	.11	.12
MACE, Siam, No. 1 cases.....lb	.44	.45	Oilbanum Gum, sift 280 lb cases..lb	.10	.11	German, bags.....lb	.11½	.12
Banda, No. 1 cases.....lb	.50	.52	Tears, 280 lb cases.....lb	.13	.14	Turkish, bags.....lb	.08	.08
Batavia, cases.....lb	.38	.39	No. 1, all white, 280 lb cases..lb	.21	.22	Blue Indian, bags.....lb	.08	.08½
Maiva Flowers, blue bales.....lb	.27	.30	Opium, gum USP cases.....lb	...	7.00	White Indian, bags.....lb	.07	.07½
Black, bales.....lb	.65	.75	Granular, cans.....lb	...	8.00	Prickly Ash Bark Southern, bags..lb	.14	.14½
Manna, large flake cases.....lb	.56	.58	Powdered, USP cases.....lb	...	8.00	Northern, bags.....lb	.14	.14½
Small flake, cases.....lb	.30	.32	Orange Flowers, cases.....lb	...	1.00	Prickly Ash Berries, bags.....lb	.11	.13
Sorts, cases.....lb	.30	.32	Orange Peel, bitter bags.....lb	.06½	.07	Prince's Pine, bales.....lb	.14	.15
Mandrake Root, bags.....lb	.16	.18	Sweet, bags.....lb	.07½	.08	Pulsatilla Herb, bags.....lb	.37	.40
Mastic Gum, 120 lb cases.....lb	.44	.48	Orris Root Florentine bold bags..lb	.07	.08	Pumpkin Seed, bags.....lb	.14	.16
Mezereon Bark, bags.....lb	.11	.12	Verona, bags.....lb	.05	.06	QUASSIA CHIPS, bags.....lb	.07½	.08
Matico Leaves, bales.....lb	.20	.22	Powdered, 200 lb bbls.....lb	.08	.09	Queen of the Meadow Herb, bags..lb	...	.06
Marjoram Leaves, German bales..lb	.17	.18	Fingers, cases.....lb	.65	.70	Quince Seed, bags.....lb	1.05	1.20
French, bales.....lb	.15	.15½	Ozokerite Wax, brown hard bags..lb	.22	.24	RAPE SEED, South Amer. bags..lb	.07	.07½
Millet Seed, dom. yellow bags....lb	.03½	.05	Green, hard bags.....lb	.25	.26	Dutch, bags.....lb	.06	.06½
Montan, Wax, crude bags.....lb	.04	.04½	Refined, yellow bags.....lb	...	...	Japanese, small, bags.....lb	.06½	.06½
Bleached.....lb	...	...	PAPRIKA, bags.....lb	.17	.24	Raspberries, dried boxes.....lb	.35	.40
Moss, Iceland bales.....lb	.08	.09	Hungarian.....lb	.27	.37	Red Saunders.....lb	.17	.19
Irish, bleached bales.....lb	.09	.10	Pareira Brava Root, bags.....lb	.19	.30	Rhatany Root, bags.....lb	...	.10
Mullein Flowers, tins.....lb	...	1.35	Parsley Seed, bags.....lb	.08	.08½	RHUBARB, H. D. cases.....lb	.37	.39
						Powdered, 200 lb bbls.....lb	.42	.45
						Rosemary Leaves, bales.....lb	.04½	.05

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Crude Drugs

Rosemary Flowers, cases bales...D	.28	: .30	Snake Root, Canada natural bags...D	.32	: .33	Tragacanth Gum, No. 1, ribbon...		
Rose Petals, pale...D	.22	: .25	Stipped, bags...D	...	: .55	No. 2 to No. 6, cases...D	1.55	: 1.60
Red...D	...	: .60	SOAP BARK, whole, 150-200lb...			Powdered, 50lb boxes...D	1.00	: 1.50
Rue Herb, bales...D	.30	: .35	bales...D	.07%	: .08	Turkish, cases...D	.75	: .90
SABADILLA SEED, bags...D	.12	: .12½	Cut, 125-175lb bags...D	.08%	: .09	Turmeric Root, Madras bags...D	.09%	: .09½
Powder, bbls...D	.16	: .17	Crushed, 200lb bbls...D	.09%	: .10	Aleppy, bags...D	.07%	: .08
Saffron Flowers, Amer. bales...D	1.15	: 1.20	Powdered, 200lb bbls...D	.14	: .15	China, bags...D	.07	: .07½
Valencia, 1lb cans...D	43.00	: 45.00	Spearmint Leaves, American bales...D	.23	: .24	Turpentine, Venice, true 80lb cs...D	.20	: .22
Sage, Dalmatian bales...D	.05½	: .06½	Spermaceti, blocks cakes cases...D	.36	: .37	Artificial, 80lb cases...D	.14	: .15
Greek, bales...D	.03½	: .04	Spikenard Root, bags...D	.15	: .16	Spirits, see Naval Stores		
Spanish, bales...D	.03	: .03½	Spruce Gum, boxes...D	1.00	: 1.50	UNICORN ROOT, false, see Helonias		
Sandalwood, chips bags...D	...	: .30	Squaw Vine, bales...D	...	: .17	True, see Aletris		
Ground, bags...D	...	: .35	Squill Root, white bags...D	...	: .04	Uva Ursi Leaves, bales...D	.05½	: .06½
Sandarc Gum, 300lb bbls...D	.23	: .25	Statessacre Seed, bags...D	.28	: .29	VALERIAN ROOT, Belgian bags...D	.11½	: .12
Sarsaparilla, Honduras, bales...D	.60	: .65	Stillingia Root, bags...D	.11	: .12	Vanilla Beans Mex. whole cases...D	8.50	: 11.00
Select, bales...D	.30	: .31	Stones Root, bags...D	.09	: .10	Cuts, cases...D	6.50	: 7.00
Sassafras Bark, ordinary bales...D	.12	: .14	Storax, liquid artif...D	.70	: .75	Bourbon, cases...D	4.50	: 5.00
Select, bales...D	.22	: .28	Gen. UEP...D	.90	: 1.00	South American, cases...D	6.00	: 6.50
Savory Leaves, bales...D	.09½	: .10	St. Ignatius Beans, bags...D	.22	: .23	Tahiti, yellow label cases...D	...	: ...
Saw Palmetto Berries, bags...D	.13	: .13	St. John's Bread, bags...D	.04	: .04	Green Label, cases...D	...	: ...
Scammony Resin, boxes...D	1.15	: 1.25	Stramonium Leaves, bales...D	.07	: .07½	Violet Flowers, bags...D	.65	: .70
Scammony Root, bags...D	.06½	: .07	Stramonium Seed, bags...D	.13	: .13	Wahoo BARK, of root bags...D	.90	: .95
Senega Root, bags...D	.67	: .72	Strephanthus Seed, Hispidus...D	...	: ...	Of Tree, bags...D	.43	: .45
SENNA, Alex, 150lb cans...D	.30	: .31	Kombe, bags...D	.30	: .35	White Pine Bark, rossed, bags...D	.06½	: .07½
Half Leaf, 350lb bales...D	.17	: .20	Sunflower Seed, domestic bags...D	.07	: .07½	White Poplar Bark, bags...D	.04	: .05
Siftings, 400lb bales...D	.09½	: .10	South American, bags...D	.06%	: .07	Wild Cherry Bark, thin green...	.70	: .75
Powdered, 200lb bbls...D	.13	: .13	TAGALDER BARK, bags...D	...	: .05	Roamed, bales...D	.10	: .12
Tinnevely, job, 350lb bales...D	.11	: .13	Tamarinds, bbls...D	...	: .05½	Thick Roamed, bales...D	.07	: .07½
Grinding, 350lb bales...D	.05	: .08	Kegs...per bag	3.25	: 3.50	Thin Natural, bales...D	.09	: .09½
Powdered, 200lb bbls...D	.08	: .08½	Tany Herb, bales...D	.14	: .15	Thick Natural, bales...D	.04½	: .05
Pods, 350lb bales...D	.06	: .06½	Tar, Barbadoes, 50 gal. bbls...gal	1.60	: 1.75	Willow, bark bags...D	...	: .06
Serpentaria Root, bags...D	.80	: .85	Thos Gum, 280lb bbls...D	...	: .05½	White, bags...D	...	: .15
Shellac, T.N., bags...D	.66	: .68	Thyme, Spanish bales...D	...	: .09	Witch Hazel Bark, bags...D	...	: .06
Superfine Orange, bags...D	.70	: .83	French, bales...D	...	: .11	Witch Hazel Leaves, bales...D	...	: .07½
D. C., bags...D	...	: .88	Tilla, see Linden			Worm Seed, American bags...D	.07½	: .09
V. S. O., cases...D	...	: .88	Tolu Balsam, see Balsams			Levant bags...D	4.00	: 4.25
Pwd. reg., 350lb bbls...D	.76	: .78	Tonga Bark, bags...D	.39	: .41	Wormwood Herb, imported bales...D	...	: .10
Regular Blsached, 350lb bbls...D	...	: .80	Tonka Beans, Angostura, cases...D	2.00	: 2.10	Yacca Gum, red...D	.04	: .04½
Hone, Dry, 350lb bbls...D	...	: .82	Para, cases...D	.80	: .85	Ground...D	.05½	: .06½
Rimaruba Bark, bales...D	.11	: .13	Surinam, cases...D	.35	: .35	YELLOW DOCK ROOT, bags...D	.12	: .15
Sideritis Herb, cut bags...D	...	: .15				Yellow Parilla Root, bags...D	.16	: .17
Skullcap Leaves, bales...D	...	: .33				Yerba Santa, bags...D	.11	: .12
Rice Berries, bags...D	.63	: .64				Zedoary Root, bags...D	.10	: .11

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Almond, Bitter USP 5 lb. bots.	3.75	4.00	Copaiba, USP, 50 lb. tins.35	.40	Petit Grain, S. Am. 25 lb. tins.	1.55	1.65
Bitter fl PA 5 lb. bots.	3.75	4.00	Coriander, USP, 1 lb. bot.	20.00	21.50	French, 1 lb. bot.	6.50	7.00
Artificial (See Benzaldehyde—Chemicals)			Croton, USP 25 lb. tins.	1.00	1.10	Pimento, 25 lb. tins.	1.85	1.95
Sweet, 50 lb. cans. ....	.36	.40	Cubeba, USP, 5 lb. bot.	6.00	6.25	Pinus Sylvestris, 25 lb. tins. ....	...	1.75
Peach Kernel, 55 lb. tins. ....	.25	.27	Cumin, 1 lb. bot.	15.00	20.00	Pumilio, USP 25 lb. tins. ....	...	2.75
Apricot, see Peach Kernel			Dill, 1 lb. bot.	4.75	5.00	Rose, Fr., 8, 16 & 32 oz pkgs. ....	...	9.00
Amber, crude 25 lb. tins. ....	.85	.90	Rigerson, 20 lb. tins. ....	.90	1.00	Bulg., 8, 16 & 32 oz pkgs.	5.50	6.00
Rectified, 50 lb. tins.	1.00	1.10	EUCALYPTUS, Austral. USP			Artificial, 1 lb. bot.	2.00	3.00
Angella Root, 1 lb. bot.	38.00	39.00	50 lb. cs.	47½	.50	Rosemary, USP, 27½ lb. tins. ....	.45	.48
Seed, 1 lb. bot.	36.00	38.00	500 lb. drums. ....	...	45½	Tech., 27½ lb. tins. ....	...	42½
ANISE, Tech., 66 lb. case. ....	.45	.50	Fennel USP, 25 lb. tins.	1.20	1.25	Rue, 1 lb. bot. ....	...	4.25
USP 50 lb. tins. ....	.52½	.55	Geranium, Algerian, 25 lb. tins.	8.00	8.50	Sandalwood, E. Ind. USP, 76 lb. cases.	7.85	8.00
Bay, 25 lb. tins.	2.50	2.60	Bourbon, 25 lb. tins.	6.50	7.00	W. Indian, (Amyris) 25 lb. tins.	3.75	3.90
Bergamot, 25 lb. coppers.	2.50	2.65	Turkish, 28 lb. tins.	4.75	5.00	Sassafras, USP, 50 lb. cans.	1.00	1.10
Artificial, 25 lb. cans.	2.00	2.25	Ginger, 1 lb. bot.	5.75	6.00	Artificial, 63 lb. cans, 1000 lb. drs. ....	...	.45
Birch Tar, rect. 5 lb. bot.	1.10	1.15	Gingergrass, 28 lb. tins.	2.75	3.00	Savin, 5 lb. tins.	3.25	3.50
Crude, 50 lb. tins. ....	.60	.65	Hemlock, 50 lb. cans. ....	...	1.50	Spruce, 50 lb. tins.	2.50	2.60
Bois de Rose, 25 lb. tins.	2.50	2.65	Juniper Berries, USP, 25 lb. tins.	1.25	1.35	Spearmint, USP, 60 lb. cases. ....	...	1.50
Cade, USP, 25 lb. tins. ....	.35	.40	Wood, 50 lb. tins. ....	.60	.70	Tansy Amer., 20 lb. tins.	7.00	7.25
USP, 5 lb. bot. ....	.45	.50	Lavender, USP, 28 lb. tins.	2.75	3.50	Tar, 50 gal. bbls. ....	.24	.25
Cajuput, native, 50 lb. tins. ....	.80	.85	Spike, Spandah 50 lb. cans. ....	.70	.80	Refined, USP 25 lb. tins. ....	...	...
Calamus, 5 lb. bot.	4.25	4.75	LEMN, Ital. USP, 25 lb. tins. ....	.75	.90	Thyme, red, USP 25 lb. tins.	1.00	1.10
Camphor, heavy, 1000 lb. drums. ....	.11½	.12	American, USP, 25 lb. tins. ....	.80	.85	White, USP 25 lb. tins.	1.10	1.15
Japanese, white, 72 lb. cases. ....	.13½	.15	Lemongrass, native, 50 lb. cans. ....	.80	.85	Crude, 110 lb. drums. ....	.85	.90
White, 1000 lb. drums. ....	.13	.15	Limes, express 25 lb. tins.	1.70	1.80	Vetiver, Bourbon 1 lb. bot.	5.50	6.00
Cananga, Native 25 lb. tins.	2.25	2.50	Distilled, 25 lb. tins. ....	.75	.80	Java, 1 lb. bot.	22.00	24.00
Rectified, 25 lb. tins.	2.50	2.75	Linaloe, Mex. 80 lb. cases.	2.15	2.35	Wine, heavy 1 lb. bot. ....	...	2.75
Caraway, USP, 1 lb. bot.	7.00	7.50	Mace, distilled, 50 lb. tins. ....	...	.90	WINTERGREEN.		
Cardamom, USP, 1 lb. bot.	20.00	22.00	Mirbane, ref., see Ar. Chemicals	...	17.00	Sweet beh, 25 lb. tins.	2.00	3.00
Carol, 5 lb. bot.	10.00	10.50	Mustard, USP, 1 lb. bot. ....	...	2.60	Gaultheria, true 25 lb. tins.	4.00	5.00
CASSIA, 75-80 p.c. 66 lb. cases.	2.05	2.20	Artif., USP, 5 lb. bot.	2.60	2.70	Synthetic, USP, 50 lb. cases. ....	.57	.62
Redistilled, USP, 50 lb. cans.	2.75	2.85	Neroli, Bigarade, ½ and 1 lb. bot.	75.00	100.00	Wormseed Bait, USP, 25 lb. tins.	6.50	7.00
Cedar Leaf, 50 lb. tins.	1.00	1.10	Petale, 1 lb. bot.	90.00	115.00	Wormwood, dom., 25 lb. tins.	6.50	6.75
Cedar Wood, light 1000 lb. drums. ....	.26	.28	Artificial, 1 lb. bot.	10.00	25.00	Ylang Ylang, Bourbon 10 lb. tins.	6.50	7.00
Celery, 1 lb. bot.	8.50	9.00	Nutmeg, USP, 25 lb. tins. ....	...	.90	Manila, 1 lb. bot.	30.00	40.00
Cinnamon, Ceylon 1 lb. bot.	12.00	15.00	Orange, bitter, 25 lb. tins.	2.50	2.60	Artificial, 1 lb. bot.	10.00	12.00
Leaf, 5 lb. bot. ....	...	2.00	Sweet, W. Ind. 25 lb. tins.	2.60	2.70	OLEORESINS		
CITRONELLA, Ceylon, 1000 lb. drs. ....	.70	.71	Italian, 25 lb. cop.	2.90	3.00	Aspidium, USP 1 lb. bot.	2.75	3.00
50 lb. tins. ....	.72	.74	American, 25 lb. tins.	2.85	2.95	Capsicum, USP, 5 lb. bot.	2.50	2.75
Java, 400 lb. drums. ....	...	.85	Origanum, 50 lb. cans. ....	.30	.35	Cubeb, USP, 1 lb. bot.	4.75	5.00
50 lb. tins. ....	...	.87½	Parsley, 1 lb. bot.	3.50	4.00	Ginger, 5 lb. bot.	3.00	3.10
Cloves, USP, 50 lb. cans.	1.70	1.80	Patchouli, 5 lb. bot.	8.00	8.50	Malefern, See Aspidium	...	18.00
6 lb. bot.	1.80	1.90	Pennyroyal, dom 25 lb. tins.	1.95	2.25	Orris, 1 lb. bot. ....	...	18.00
			Imported, 25 lb. tins.	1.75	1.90	Pepper, black, USP, 1 lb. bot.	3.50	4.00
			PEPPERMINT, nat. 60 lb. cases.	2.65	2.75	Vanilla, 1 lb. bot.	8.00	8.50
			Redist., USP, 60 lb. cases.	2.90	3.05			

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NATURAL DERIVATIVES					
Anethol, 25 lb bot.....	D	1.60 : 1.99	Cinnamic Aldehyde, 1 lb bot....	D	3.20 : 3.50
Borneol, 1 lb bot.....	D	2.00 : 2.25	CITRONELLOL, 1 lb bot.....	D	8.00 : 14.00
Citronellal, 1 lb bot.....	D	2.00 : 2.25	COUNARIN, 25 lb cans.....	D	4.50 : 4.75
CITRAL, 25 lb cans.....	D	2.75 : 3.00	DIETHYL PHTHALATE, 25 lb cans	D	.65 : .75
EUCALYPTOL, USP, 25 lb cans..	D	.80 : .85	Diphenyl oxide, 25 lb tins.....	D	.85 : .90
Eugenol, USP, 25 lb cans.....	D	2.85 : 3.25	Ethyl Acetate, pure, 5 lb bot....	D	.45 : .50
Geraniol, Domestic, 50 lb cans..	D	3.00 : 3.50	Ethyl Benzoate, 5 lb bot.....	D	1.85 : 2.00
Imported, 5 lb bot.....	D	3.00 : 3.50	Ethyl Butyrate, 1 lb bot.....	D	2.00 : 2.25
Iso-Eugenol, 1 lb bot.....	D	4.50 : 5.00	Ethyl Cinnamate, 1 lb bot.....	D	4.50 : 5.00
Imported.....	D	6.50 : 7.00	Ethyl Formate, 5 lb bot.....	D	.95 : 1.00
Linalool, 5 lb bot.....	D	7.00 : 7.25	Ethyl Valerate, 5 lb bot.....	D	4.50 : 4.75
MENTHOL, 60 lb cans.....	D	7.75 : 8.10	Formic Ether, See Ethyl Formate		
Less cases, 5 lb cans.....	D	8.00 : 8.10	Geranyl Acetate, 1 lb bot.....	D	4.25 : 4.75
Rhodinol, 1 lb bot.....	D	15.00 : 20.00	Hellotropin, dom., 10 lb bot....	D	2.00 : 2.25
SAFROL, 60 lb cans.....	D	.55 : .57	Imported.....	D	2.25 : 2.50
Thymol, USP, 10 lb cans.....	D	3.25 : 3.50	Indol, CP, 10 lb bot.....	D	8.50 : 9.00
SYNTHETIC AROMATICS			Ionone, 1 lb bot.....	D	5.00 : 9.00
Acetaldehyde, 50% sol pure, 5 lb bot.	D	1.75 : 2.00	Alpha.....	D	10.00 : 12.00
Acetophenone CP, 1 lb bot.....	D	4.00 : 4.25	Beta.....	D	9.00 : 11.00
Amyl Acetate, pure, 5 gal cans.gal	D	6.00 : 7.00	Methyl.....	D	12.50 : 15.00
Amyl Butyrate, 1 lb bot.....	D	2.00 : 2.10	Linalyl Acetate, 1 lb bot.....	D	7.00 : 10.00
Amyl Formate, 1 lb bot.....	D	1.75 : 2.00	Linalyl Benzoate, 1 lb bot.....	D	13.00 : 14.00
AMYL SALICYLATE, 100 lb chys..	D	1.45 : 1.60	METHYL ANTHRANILATE dom.,		
Anisic Aldehyde, 1 lb bot.....	D	3.40 : 4.00	1 lb bot.....	D	3.50 : 4.00
GENZALDENHYDE, USP, 40 lb chys	D	1.50 : 1.60	Imported.....	D	4.50 : 5.00
FFC, 40 lb chys.....	D	1.75 : 1.85	Methyl Cinnamate, 1 lb bot....	D	4.00 : 4.50
Benzoic Ether, See Ethyl Benzoate			Methyl Paracresol, 1 lb bot....	D	8.00 : 9.00
Benzyl Acetate, 100 lb chys.....	D	1.25 : 1.40	METHYL SALICYLATE, USP 500 lb		
Benzyl Alcohol, 5 lb bot.....	D	1.50 : 1.75	drums.....	D	.55 : .60
GENZYL BENZOATE, 5 lb bot.....	D	1.60 : 1.75	50 lb cases.....	D	.57 : .62
Medicinal FFC.....	D	1.75 : 2.00	Second Hands.....	D	.55 : .65
Benzyl Formate, 1 lb bot.....	D	2.50 : 3.00	Mirbane, rect. 1000 lb drums...	D	.12 1/2 : .14
Bromostyrol, 25 lb kgs.....	D	4.00 : 4.25	Musk Ambrette, 1 lb cans.....	D	14.50 : 16.50
Butyric Ether, See Ethyl Butyrate			Musk Ketone, 1 lb cans.....	D	13.00 : 14.00
Cinnamic Acid, 5 lb cans.....	D	3.00 : 3.25	Musk Xylene, 5 lb cans.....	D	2.90 : 3.15
Cinnamic Alcohol, liquid 1 lb bot.	D	10.00 : 12.00	Nerolin, 1 lb cans.....	D	1.75 : 2.00
Crystallizable.....	D	12.00 : 15.00	Phenylacetaldehyde, Dom.,		
			1 lb bot.....	D	9.00 : 11.00
			Imported.....	D	12.00 : 14.00
			Phenylacetic Acid, 1 lb bot....	D	3.00 : 4.00
			PHENYLETHYLALCOHOL dom.,		
			1 lb bot.....	D	7.50 : 9.00
			Imported.....	D	8.50 : 10.00
			Phenylpropylalcohol, 1 lb bot....	D	15.00 : 16.00
			TERPINEOL, CP, 1000 lb drums..	D	.50 : .55
			Cans 50 lb.....	D	.55 : .57
			Imported, 25 lb cans.....	D	1.00 : 1.25
			Terpinyl Acetate, 25 lb cans.....	D	1.65 : 1.85
			VANILLIN, USP, 400 oz cans..oz	D	.40 : .40 1/4
			Cans, 16 oz., 80 oz.....oz	D	.40 1/4 : .41 1/4
			Valerianic Ether, See Ethyl Valerate		
			Yara Yara, 1 lb cans.....	D	1.75 : 2.00
			PERFUMERS' SUNDRIES		
			Almond Meal, 25 lb cans.....	D	.28 : .30
			Ambergris, black, bxs.....oz	D	.80 : 8.00
			Ambergris, gray, bxs.....oz	D	.28 : .28.00
			Balsam Copaiba, Para, 80 lb cases	D	.23 : .24
			South American, 80 lb cases..	D	.28 : .29
			Balsam Peru, 60 lb cans.....	D	1.80 : 1.85
			Balsam Tolu, 80 lb cases.....	D	.82 1/2 : .85
			Benzoin Gum, Siam, bxs.....	D	1.10 : 1.15
			Castoreum, 1 lb bot.....	D	4.00 : 4.50
			Chalk, precip. light, 175 lb bbls..	D	.04 1/2 : .05
			Cherry Laurel Water, 5 gal cans.gal	D	1.15 : 1.25
			Civet Abyssin, horns.....oz	D	2.75 : 3.75
			Labdanum, 5 lb bot.....	D	.80 : 8.00
			Lanolin hydrous, 350 lb bbls....	D	.21 : .22
			Anhydrous, 350 lb bbls.....	D	.23 : .24
			Musk pods, Cabardine, tins.....oz	D	16.00 : 17.00
			Tonquin, tins.....oz	D	22.00 : 25.00
			Grains, Cabardine, tins.....oz	D	25.00 : 26.00
			Tonquin, tins.....oz	D	35.00 : 38.00
			Synthetic, See Aromatic Chemicals		
			Orris Rt. Flor., powd. bbls.....	D	.09 : .11
			Verona, bbls.....	D	.08 : .09
			Petrolatum, snow white, 350 lb bbls	D	.12 1/2 : .13 1/2
			Light Amber, 350 lb bbls.....	D	.04 : .04 1/2
			Rice Starch, 140 lb bgs.....	D	.09 : .10
			Rose Water, 5 gal chys.....gal	D	.90 : 1.10
			Sandalwood chips, powd., bags....	D	.30 : .35
			Saponin, 5 lb tins.....	D	1.25 : 1.50
			Talc Italian, 220 lb bgs.....ton	D	42.00 : 55.00
			Talc French, 220 lb bgs.....ton	D	32.00 : 45.00
			Talc, domestic ref., 100 lb bags..ton	D	20.00 : 30.00

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Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, May 5 to May 12

ACIDS—Citric, 33 bbls., F. Vitranco Co., Palermo; 2 cs., Order, Hamburg; **Cresylic**, 23 drs., Order, Glasgow; 13 drs., W. E. Jordan & Bros., Liverpool; 82 drs., Lunham & Moore, Rotterdam; **Formic**, 139 carboys, R. W. Greeff & Co., Rotterdam; 147 demijohns, Innis Speiden Co., Hamburg; 74 carboys, Order, Hamburg; **Stearic**, 300 bls., Strohmeyer & Arpe Co., Rotterdam; 40 cs., Parsons & Plymouth Organic Lab., Rotterdam; **Tartaric**, 44 cs., F. Vitranco Co., Palermo; **AGAR AGAR**—38 lbs., Order, Kobe; 10 bls., Stanley Jordan & Co., Kobe; 5 bls., Takamine, Inc., Yokohama; **ALOES**—8 bls., Selma Merc. Corp., Curacao; 23 cs., Order, Southampton; **AMMONIA**—200 drs., H. Hinrichs Chem. Corp., Hamburg; **AMMONIUM**—Carbonate, 21 csks., Brown Bros. & Co., Liverpool; 2 cs., Order, Hamburg; **Chloride**, 20 cs., Waring & Evans, Liverpool; **Sulfate**, 45 csks., Harriman Nat. Bank, Hamburg; **ANTIMONY**—250 cs., Guaranty Trust Co., Hamburg; 250 cs., Order, Hamburg; **Regulus**, 300 cs., East Asiatic Co., Shanghai; 500 cs., Java Handels, Inc., Shanghai; 200 cs., M. S. Kaisha, Shanghai; 250 cs., Order, London; 495 cs., Order, Hamburg; **ARGOLS**—120 csks., Tartar Chem. Wks., Genoa; 352 bgs., C. Pfizer & Co., Lisbon; **ARSENIC**—300 cs., G. F. Taylor & Co., Kobe; 102 csks., Order, Rotterdam; 51 csks., Roessler & Hasslacher Chem. Co., Hamburg; 712 cs., Order, Kobe; 288 cs., S. W. Bridges & Co., Kobe; 59 cs., I. D. Lewis, Kobe; 100 cs., S. L. Jones, Kobe; 75 cs., China Amer. Trdg. Co., Kobe; 250 cs., H. Sundheimer, Kobe; 100 csks., J. Marcus, Inc., Hamburg; 229 bbls., Order, Hamburg; 800 cs., Chapman Chem. Eng. Co., Yokohama; 83 cs., Lunham & Moore, Rotterdam

BARIUM—Nitrate, 27 csks., A. Klipstein & Co., Hamburg; **Chloride**, 51 csks., A. Klipstein & Co., Hamburg; **Peroxide**, 49 csks., W. A. Brown & Co., Hamburg; **BARK**—Cinchona, 8 cs., Standard Bank of South Africa, Rotterdam; 16 bls., Nichells Rowland Co., London; **BERRIES**—Cube, 80 bgs., Winter Ross & Co., Batavia; 38 bgs., Order, Rotterdam; **Juniper**, 100 bgs., Order, Leghorn; 63 bgs., Order, London; **BISMUTH METAL**—7 cs., C. Pfizer & Co., Southampton; **BORAX**—10 bbls., Creston Chem. Co., Havana; **CALCIUM**—Chloride, 336 drs., P. Bauer & Co., Hamburg; 96 bbls., Order, Hamburg; **CAMPHOR**—200 cs., Suzuki & Co., Shanghai; 100 cs., Nat. Park Bank, Kobe; **CARBON**—Decolorizing, 221 bgs., L. A. Salomon & Bro., Rotterdam; **CASEIN**—300 bgs., N. Y. Trust Co., Rotterdam; 5 bls., O. Gerdan Co., London; 80 bls., Bank of America, London; 400 bgs., Brit. Bank of So. Amer., London; 350 bgs., Asia Bkg. Corp., Auckland; 250 bgs., Equit. Trust Co., Wellington; 223 bgs., Bank of Manhattan Co., Hamburg; **CHEMICALS**—46 csks., Roessler & Hasslacher Chem. Co., Hamburg; 254 bbls., Roessler & Hasslacher Chem. Co., Antwerp; 10 cs., Merck & Co., Hamburg; 24 csks., Order, Hamburg; **CHEMICAL SALTS**—63 csks., Hummel & Robinson, Bremerhaven; 102 csks., Amer. Exch. Nat. Bank, Bremerhaven; **CHLOROFORM ETHER**—3 cs., Morgenstern & Co., Hamburg; **CITRATE**—503 cs., F. N. Giavi, Genoa; **COLORS**—4 csks., Grasselli Chem. Co., Hamburg; 1 csk., Carbic Color & Chem. Co., Hamburg; 16 pkgs., Kuttroff Pickhardt & Co., Hamburg; 30 pkgs., H. A. Metz & Co.,

Rotterdam; 6 bbls., Wetterwald & Pfister, Rotterdam; 11 csks., 1 cse., B. Bernard, Rotterdam; 7 csks., 1 cse., F. Donders, Rotterdam; 3 csks., Order, Rotterdam; 5 bbls., Irving Bank, Genoa; 10 csks., S. Doggett, Southampton; 20 cs., R. F. Downing & Co., London; 3 kegs., Irving Bank, Liverpool; 78 pkgs., Amer. Exch. Bank, Antwerp; 10 csks., Order, Southampton; 2 csks., M. G. Lange & Co., Bremerhaven; 12 drs., Guaranty Trust Co., Glasgow; 5 csks., J. Bancroft & Sons, Glasgow; 23 csks., Order, Glasgow; 38 csks., Irving Bank Columbia Trust Co., Genoa; 27 pkgs., Amer. Exch. Nat. Bank, Genoa; 6 csks., Irving Bank Columbia Trust Co., Genoa; 68 csks., Ciba Co., Havre; 35 csks., Geigy Co., Havre; 12 bbls., Carbic Color & Chem. Works, Havre; 201 csks., Heemsoth Basse Co., Havre; 2 csks., Kuttroff Pickhardt Co., Hamburg; 7 csks., Order, London; 4 csks., Grasselli Chem. Co., Hamburg; 1 csk., Amer. Aniline Prod. Co., Hamburg; 10 cs., D. Heydemann & Co., Hamburg; 30 cs., H. Kohnstamm & Co., Hamburg; 4 csks., Kuttroff Pickhardt Co., Hamburg; 1 cse., G. Lueders & Co., Hamburg; 15 cs., Franklin Imp. & Exp. Co., Hamburg; **COPPER**—Sulfate, 201 csks., Order, Antwerp; **DEXTRIN**—100 bgs., Spier Simmons Co., Rotterdam; 50 bgs., Order, Rotterdam; **EXTRACT**—48 cs., Britt Loeffler & Weil, Rotterdam; **Bark**, 1,000 bgs., Cooper & Cooper, Beira; 4,000 bgs., Order, Singapore; **Quebracho**, 25,053 bgs., Tannin Corp., Buenos Aires; **FERRIC CHLORIDE**—38 bbls., Mallinckrodt Chem. Wks., Hamburg; **FERRO CHROME**—87 csks., C. Hardy & Ruperti, Gothenburg; **FLOWERS**—10 bgs., S. B. Penick & Co., Marseilles; 8 bls., Order, Marseilles; **Insect**,



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LYCOPODIUM—16 cs., Order London

MAGNESITE—105 csks., Speiden Whitfield Co., 460 bbls., 625 bgs., Innis Speiden & Co., Rotterdam; **Calcined**, 1,250 bgs., 152 bbls., Innis Speiden Co., Rotterdam; 83 csks., Order, Rotterdam

MAGNESIUM—Chloride, 72 bbls., Speiden Whitfield & Co., Hamburg

MENTHOL—25 cs., Stanley Jordon & Co., Kobe; 75 cs., S. W. Bridges & Co., Kobe; 35 cs., F. A. Cundill & Co., Kobe

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SUMAC—1,050 bgs., Nat. City Bank, Palermo; 910 bgs., Order, Palermo
TALC—360 bgs., Ital. Discount & Trust Co., Genoa; 200 bgs., L. A. Salomon & Bro., Genoa; 4,250 bgs., Ital. Discount & Trust Co., Genoa; 300 bgs., Kountze Bros., Genoa; 200 bgs., C. Mathieu, Genoa
TAPIOCA—288 bgs., Chat. & Phoenix Nat. Bank, Batavia; 761 bgs., Order, Penang; 756 bgs., Order, Penang; Flour, 7,397 bgs., H. V. G. Amsterdam, Sourabaya; 529 bgs., Phila. Nat. Bank, Batavia; 526 bgs., Chatham &

Phenix Nat. Bank, Batavia; 515 bgs., Equitable Trust Co., Batavia; 1,839 bgs., Irving Bank Columbia Trust Co., Batavia; 575 bgs., Java Amer. Export Co., Batavia; 990 bgs., Order, Batavia
TARTAR—127 scks., C. Pfizer & Co., Valparaiso; 110 bgs., C. Pfizer & Co., Marseilles; 110 bgs., Tartar Chem. Corp., Marseilles; 110 bgs., C. Pfizer & Co., Marseilles; 317 bgs., Tartar Chem. Works, Marseilles; 306 bgs., Tartar Chem. Works, Alicante; 275 bgs., Order, Seville
THEOBROMINE—2 cs., R. W. Greeff & Co., Rotterdam
THORIUM NITRATE—50 cs., Amer. Krueger & Toll Corp., Hamburg
VANILLA BEANS—2 cs., H. Triest & Co., Vera Cruz; 10 cs., Gomez & Sloan, Vera Cruz; 7 cs., Dodge & Olcott, Vera Cruz; 17 cs., R. F. Downing & Co., Havre; 27 cs., Dodge & Olcott, Havre; 75 cs., Bank of N. Y. & Trust Co., Havre; 18 cs., Order, Marseilles; 255 cs., Dodge & Olcott, Marseilles; 43 cs., G. Lucders & Co., Marseilles; 22 cs., Order, Marseilles
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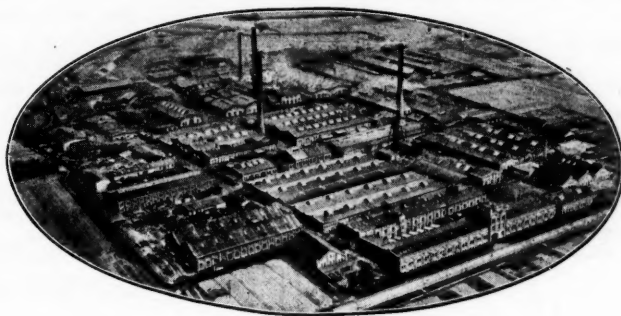
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